

Solve multi-step equations - fractions

Find the missing number:

$$1) -3\frac{1}{5}p - 1\frac{1}{5}p = \frac{33}{5}$$

$$2) -1\frac{3}{5}b + 2\frac{3}{4} + 5 = -\frac{1}{4}$$

$$3) -\frac{1}{4}n + \frac{14}{5} - 1\frac{2}{3} = \frac{17}{240}$$

$$4) -3\frac{1}{5}x + 1\frac{2}{5}x = -\frac{27}{10}$$

$$5) -3\frac{1}{2}x - 2x = -5\frac{1}{2}$$

$$6) 2\frac{2}{3}p - \frac{2}{5}p = 11\frac{1}{3}$$

$$7) -\frac{8}{5}n + 1 + \frac{1}{2}n = -4\frac{1}{2}$$

$$8) 3k - 1\frac{1}{3}k = \frac{5}{9}$$

$$9) 1\frac{1}{2}n + 2\frac{3}{5}n = 6\frac{3}{20}$$

$$10) -\frac{11}{3}k + \frac{1}{3} + 5 = -2$$

$$11) -\frac{3}{5}a - 5a = 4\frac{1}{5}$$

$$12) -\frac{8}{5}m - m = 4\frac{4}{25}$$

$$13) b + 1\frac{3}{4} + \frac{2}{5} = \frac{3}{20}$$

$$14) \frac{11}{5}k + \frac{1}{3}k = -6\frac{29}{30}$$

$$15) x + 2\frac{1}{3} + 1\frac{1}{4}x = 5\frac{17}{24}$$

$$16) -\frac{1}{2}a + 2\frac{1}{2}a = 3$$

$$17) -\frac{5}{3}n + 2\frac{1}{4}n = \frac{7}{16}$$

$$18) -2\frac{3}{5}n - \frac{3}{2}n = 5\frac{7}{15}$$

$$19) \frac{2}{3}x + 1 - \frac{8}{3}x = -\frac{11}{5}$$

$$20) 2\frac{2}{3}k - 1\frac{1}{5}k = 1\frac{7}{15}$$

$$21) -\frac{18}{5}a + 1 - \frac{19}{5}a = -10\frac{1}{10}$$

$$22) 1\frac{1}{3}k - 1\frac{3}{4} + 2\frac{4}{5}k = \frac{181}{180}$$

$$23) 1\frac{4}{5}p + \frac{2}{3}p = -\frac{518}{75}$$

$$24) \frac{1}{2}v - 1\frac{1}{5}v = 0$$

$$25) 2\frac{1}{4}x - 1 + 5\frac{3}{4} = 5\frac{13}{20}$$

$$26) -2\frac{2}{3}p - p = -1\frac{5}{6}$$

$$27) a + 1\frac{1}{3} + 2\frac{2}{5} = 5\frac{2}{5}$$

$$28) -3\frac{1}{3}n + \frac{3}{2} + 2\frac{3}{4} = -1\frac{1}{12}$$

$$29) -1\frac{1}{4}x - 1\frac{1}{2}x = -3\frac{2}{3}$$

$$30) 1\frac{1}{4}v - \frac{1}{2} + \frac{1}{5} = -4\frac{79}{80}$$

$$31) k + 1\frac{1}{3} + 2 = \frac{8}{3}$$

$$32) \frac{3}{5}x + \frac{1}{2}x = \frac{11}{40}$$

$$33) \frac{1}{2}x + 2 + 2\frac{1}{2} = \frac{14}{3}$$

$$34) 1\frac{1}{2}n + \frac{1}{3}n = \frac{11}{30}$$

$$35) -2\frac{2}{3}k - \frac{1}{3} - \frac{1}{2} = 4\frac{1}{2}$$

$$36) \frac{8}{5}r + 1 + 5r = -\frac{29}{4}$$

$$37) -\frac{5}{4}m - 1\frac{1}{5} + \frac{1}{2} = \frac{11}{20}$$

$$38) n + \frac{1}{2} + 2 = \frac{43}{10}$$

$$39) \frac{1}{3}a + \frac{2}{5} + 1 = 1\frac{14}{15}$$

$$40) -\frac{1}{3}k + 1 - 3\frac{1}{2}k = \frac{35}{12}$$

$$41) m + 1\frac{3}{4}m = -2\frac{3}{4}$$

$$42) p + \frac{3}{4} - \frac{8}{5}p = 1\frac{3}{4}$$

$$43) 1\frac{3}{4}b - 2\frac{2}{3} + 1\frac{1}{2} = \frac{77}{24}$$

$$44) \frac{5}{2}x - 3x = -1\frac{1}{10}$$

$$45) -1\frac{1}{2}p + \frac{1}{3} + \frac{3}{2} = 3\frac{17}{24}$$

$$46) -\frac{1}{2}x - \frac{4}{5}x = 1\frac{5}{8}$$

$$47) -\frac{2}{5}r + 2\frac{1}{3} + \frac{2}{3} = \frac{113}{25}$$

$$48) -\frac{7}{3}r + 2\frac{1}{2}r = -\frac{8}{15}$$

$$49) x - \frac{1}{3} + 1\frac{1}{2} = \frac{5}{2}$$

$$50) 2\frac{2}{3}a + 1\frac{2}{3}a = -7\frac{2}{9}$$

$$51) x - 3\frac{3}{5} - \frac{4}{5} = -\frac{39}{10}$$

$$52) 1\frac{1}{5}v - \frac{1}{2} - 2v = -\frac{47}{30}$$

$$53) \frac{1}{2}v + \frac{1}{2} + \frac{11}{4}v = \frac{153}{20}$$

$$54) \frac{3}{4}a + \frac{1}{4}a = \frac{1}{2}$$

$$55) \frac{1}{3}x - 2x = -\frac{2}{3}$$

$$56) n + 1\frac{2}{3} - \frac{3}{5}n = 1\frac{8}{75}$$

$$57) 3r + \frac{1}{2}r = 8\frac{3}{4}$$

$$58) 1\frac{2}{3}v + 2\frac{2}{3} + 1 = 7$$

$$59) -\frac{11}{4}k + \frac{3}{4} - 3\frac{1}{2} = 0$$

$$60) -\frac{3}{4}n + \frac{9}{4}n = -\frac{3}{4}$$

$$61) \frac{2}{5}x - \frac{3}{2}x = 3\frac{2}{25}$$

$$62) x - 2\frac{4}{5} + \frac{1}{2} = -\frac{21}{20}$$

$$63) \frac{3}{5}r - \frac{2}{5} - r = \frac{11}{10}$$

$$64) \frac{5}{2}n - 1\frac{1}{2}n = \frac{3}{2}$$

$$65) -b + 1\frac{1}{2}b = -1\frac{3}{5}$$

$$66) -3\frac{3}{5}x - 5 + x = -7\frac{3}{5}$$

$$67) \frac{6}{5}x - \frac{6}{5} + 2\frac{3}{4} = \frac{3}{4}$$

$$68) 2x - 1\frac{1}{2} + 1\frac{3}{4}x = 4\frac{1}{8}$$

$$69) 1\frac{1}{5}m - 1\frac{2}{3} + 2 = 1\frac{8}{15}$$

$$70) -1\frac{1}{2}v + 2\frac{1}{5} + 1\frac{1}{2} = \frac{283}{40}$$

$$71) -2\frac{1}{2}n + 1 + \frac{1}{5} = 5\frac{7}{10}$$

$$72) x + \frac{2}{3} - 3\frac{4}{5} = -\frac{56}{15}$$

$$73) -v - 3\frac{1}{3} + 2\frac{1}{3}v = 2$$

$$74) -1\frac{1}{2}n - 1\frac{1}{3}n = -\frac{17}{12}$$

$$75) -2\frac{1}{2}n + 1 + \frac{1}{5}n = -4\frac{3}{50}$$

$$76) 1\frac{1}{4}n + n = 4\frac{1}{2}$$

$$77) 2\frac{1}{2}x - 3\frac{1}{3} - 2x = -5$$

$$78) 1\frac{3}{4}p - \frac{4}{3}p = -\frac{1}{2}$$

$$79) \frac{3}{5}x - 1\frac{1}{2} - \frac{2}{3}x = -1\frac{2}{5}$$

$$80) 1\frac{1}{3}a - 2 + 1\frac{2}{3} = \frac{1}{3}$$

$$81) -5k + \frac{14}{5}k = \frac{22}{5}$$

$$82) \frac{3}{4}n + \frac{1}{4} + 2n = 5\frac{3}{4}$$

$$83) 2x + 2x = 0$$

$$84) \frac{2}{3}m + 1\frac{1}{2}m = \frac{13}{30}$$

$$85) 1\frac{1}{3}p + \frac{1}{3}p = 2\frac{1}{12}$$

$$86) -2n + \frac{1}{5} + 2 = 6\frac{1}{5}$$

$$87) \frac{3}{4}n - \frac{18}{5}n = -3\frac{21}{50}$$

$$88) \frac{1}{2}r + 1\frac{2}{3} + 2 = 2\frac{11}{12}$$

$$89) 2\frac{2}{3}n + \frac{2}{3}n = \frac{5}{2}$$

$$90) -\frac{5}{3}v + \frac{1}{2} - 1\frac{1}{2} = -3\frac{11}{12}$$

$$91) x + \frac{1}{4} + 1 = 2\frac{17}{20}$$

$$92) -n - 1\frac{3}{4} + 3 = -1$$

$$93) -\frac{5}{4}r - \frac{1}{4}r = -2\frac{2}{5}$$

$$94) \frac{5}{3}v - 1 + \frac{1}{4} = 3$$

$$95) -4m + 1\frac{1}{5}m = -2\frac{4}{5}$$

$$96) a + 2\frac{2}{5} + \frac{2}{3}a = \frac{11}{15}$$

$$97) k + \frac{2}{3} + 2 = \frac{5}{12}$$

$$98) -1\frac{3}{5}v + 1\frac{2}{3}v = \frac{1}{30}$$

$$99) \frac{2}{3}n + n = 2\frac{1}{2}$$

$$100) -2\frac{4}{5}p + 1\frac{1}{3} + 1\frac{4}{5} = \frac{409}{30}$$

$$101) 1\frac{1}{3} + 6\left(-\frac{3}{2}n + 1\right) = \frac{184}{3}$$

$$102) -\frac{10}{3}\left(4n + 1\frac{3}{4}\right) = -\frac{145}{2}$$

$$103) 6\left(\frac{14}{3}a + 1\frac{2}{3}\right) - a = -\frac{257}{4}$$

$$104) -4\left(3\frac{1}{2}n - 2\right) - \frac{11}{3}n = 74\frac{1}{4}$$

105) $6\left(\frac{7}{3}v + \frac{7}{6}\right) = 91$

106) $-3\frac{1}{2}\left(\frac{7}{2}m + \frac{1}{6}\right) + 4 = \frac{194}{3}$

107) $5\left(-3\frac{1}{5}x + 1\right) = 77$

108) $-\frac{11}{3}\left(\frac{17}{6}r + 1\right) = -66$

109) $6\left(-\frac{17}{6}n + \frac{17}{6}\right) = 62\frac{1}{3}$

110) $5\left(-2n + 4\frac{2}{3}\right) = 73\frac{1}{3}$

111) $-2\frac{1}{5}\left(5x + 1\frac{1}{2}\right) = \frac{627}{10}$

112) $\frac{1}{5}r - \frac{19}{3}\left(1\frac{2}{5}r + 6\right) = -81\frac{1}{3}$

113) $6\left(\frac{19}{6}n - \frac{5}{3}\right) = -82\frac{5}{6}$

114) $\frac{11}{4}\left(3\frac{1}{3}x + 1\right) = \frac{781}{12}$

115) $-1\frac{2}{3} - 2\frac{2}{3}\left(6\frac{1}{2}x - 4\right) = 64\frac{7}{15}$

116) $6\left(3\frac{3}{5}r - 1\right) = -\frac{408}{5}$

117) $-3\left(6a + 2\frac{3}{4}\right) = -\frac{273}{4}$

118) $-2 - 4\left(-5v + \frac{5}{6}\right) = -125\frac{1}{3}$

119) $3\frac{5}{6}\left(3\frac{1}{4}v - \frac{5}{6}\right) = -61\frac{1}{3}$

120) $2\left(6b + 1\frac{2}{3}\right) = 65\frac{1}{3}$

121) $\frac{11}{3}\left(\frac{19}{6}k + 2\right) = \frac{1177}{18}$

122) $2\frac{1}{3} + 4\left(3\frac{1}{6}r + 3\frac{1}{4}\right) = \frac{556}{9}$

123) $-2\frac{2}{3}\left(\frac{31}{6}k - 1\frac{1}{6}\right) + 1\frac{5}{6} = \frac{1577}{18}$

124) $6\frac{1}{2}\left(3\frac{3}{4}x + 2\frac{1}{2}\right) = 74\frac{3}{4}$

125) $3\frac{4}{5}\left(\frac{7}{2}n + 1\right) - 1\frac{2}{5} = 85\frac{21}{40}$

126) $-2\frac{1}{2}\left(6\frac{2}{3}r - 1\frac{1}{2}\right) - \frac{7}{4}r = 62\frac{5}{72}$

127) $6\left(2\frac{1}{3}x + \frac{3}{4}\right) = 81\frac{1}{2}$

128) $\frac{1}{2}n - \frac{7}{2}\left(\frac{14}{3}n + 2\frac{1}{4}\right) = -\frac{1709}{24}$

129) $5\left(6\frac{1}{6}n + \frac{5}{2}\right) = -141\frac{2}{3}$

130) $\frac{19}{5}\left(3\frac{3}{4}r + 2\right) + 1\frac{1}{2}r = 66\frac{53}{80}$

131) $-6\left(3\frac{5}{6}x + 1\right) = -90\frac{1}{3}$

132) $\frac{13}{2}\left(3\frac{1}{3}p + \frac{2}{5}\right) - p = 64\frac{3}{5}$

133) $-6\left(3\frac{1}{2}r - 2\frac{5}{6}\right) = 76\frac{1}{2}$

134) $-3\frac{1}{6}\left(\frac{14}{5}k + 2\right) = -63\frac{29}{30}$

135) $-3 - 2\frac{1}{2}\left(\frac{34}{5}n + 1\right) = -\frac{314}{3}$

136) $-3\frac{1}{2}\left(\frac{34}{5}b - 5\right) = 77$

137) $-3\frac{2}{5}\left(2\frac{5}{6}x - 1\right) = 64\frac{37}{90}$

138) $-\frac{10}{3}\left(-3\frac{2}{3}r + 1\right) = 72\frac{1}{27}$

139) $\frac{18}{5}\left(5n - 1\frac{1}{6}\right) = \frac{309}{5}$

140) $-1\frac{3}{4}p + 3\frac{3}{4}\left(-4p + \frac{5}{3}\right) = 64\frac{7}{8}$

141) $-1\frac{1}{6} - \frac{11}{3}\left(\frac{23}{6}n + \frac{3}{4}\right) = 92\frac{7}{54}$

142) $3\frac{1}{2}\left(3\frac{1}{6}n + 1\frac{2}{3}\right) = 61\frac{1}{4}$

143) $6\left(\frac{11}{6}n - \frac{5}{2}\right) + \frac{6}{5}n = -\frac{1853}{30}$

144) $-3\frac{1}{2}\left(-3\frac{4}{5}p + 3\frac{4}{5}\right) = -\frac{931}{15}$

145) $4\left(4\frac{1}{5}x + 1\frac{3}{4}\right) = 63$

146) $-3\left(-4\frac{1}{4}x + \frac{2}{3}\right) = -78\frac{1}{2}$

147) $-\frac{11}{4}v + 2\left(-3\frac{2}{3}v + 1\frac{1}{3}\right) = 63\frac{1}{6}$

148) $6\left(-\frac{7}{3}x - 3\frac{2}{3}\right) = -106$

149) $\frac{10}{3}\left(\frac{10}{3}n - \frac{26}{5}\right) = -\frac{656}{9}$

150) $\frac{15}{4}\left(-2\frac{3}{4}m + 1\right) = -61\frac{9}{16}$

151) $\frac{17}{6}\left(-4\frac{2}{3}x - \frac{4}{5}\right) = 61\frac{173}{270}$

152) $-2\frac{1}{4}\left(-5x + 1\frac{1}{4}\right) = -\frac{1125}{16}$

153) $-3\left(-3\frac{3}{4}n + 3\right) - 1\frac{1}{4} = -\frac{133}{2}$

154) $-3\frac{2}{5}\left(2\frac{4}{5}x - 6\right) = 68$

155) $\frac{23}{4}\left(3\frac{1}{4}v + \frac{1}{2}\right) = 115$

156) $3\frac{1}{3} + \frac{7}{2}\left(-3\frac{2}{5}n - \frac{19}{5}\right) = -61\frac{8}{15}$

157) $4\frac{1}{3}\left(-4p + \frac{1}{3}\right) = 65$

158) $-3\frac{1}{5}\left(3\frac{1}{2}x - 3\frac{1}{3}\right) = \frac{1168}{15}$

159) $3\frac{3}{4}\left(3\frac{3}{4}v + \frac{3}{4}\right) = 87\frac{3}{16}$

160) $-1\frac{5}{6} + \frac{11}{2}\left(2a + 1\frac{3}{5}\right) = 61\frac{29}{30}$

161) $-\frac{1}{3}v - 3\frac{1}{6}\left(\frac{41}{6}v - 3\frac{1}{4}\right) = 87\frac{7}{36}$

162) $-\frac{7}{2}\left(3\frac{2}{3}n + 1\right) - \frac{17}{6} = -83\frac{1}{3}$

163) $4\left(-1\frac{1}{2}x + 1\frac{3}{4}\right) - 3\frac{3}{4}x = 65\frac{1}{2}$

164) $3\frac{2}{3}\left(-3\frac{4}{5}x + \frac{1}{5}\right) + x = -\frac{959}{15}$

165) $1\frac{3}{5}p - 4\left(-5p + 3\frac{3}{4}\right) = 67\frac{2}{25}$

166) $5\frac{2}{3}\left(\frac{5}{2}n + 1\frac{5}{6}\right) = 61\frac{7}{18}$

167) $\frac{5}{2}\left(\frac{11}{3}v - \frac{1}{2}\right) = 61\frac{7}{18}$

168) $-6\left(-2\frac{2}{3}r + 2\right) - 1\frac{1}{2}r = -67\frac{1}{10}$

169) $-4\frac{3}{4}\left(3\frac{1}{3}r + 5\right) + \frac{1}{5} = -76\frac{59}{180}$

170) $-3\frac{2}{5}\left(-4\frac{1}{2}k + \frac{1}{3}\right) = -77\frac{19}{30}$

171) $-3\left(6\frac{5}{6}a + \frac{13}{6}\right) = \frac{316}{5}$

172) $-3\frac{1}{3}\left(-4x + \frac{2}{3}\right) + \frac{1}{3}x = 66\frac{1}{9}$

173) $3\frac{2}{5}\left(-\frac{17}{6}a + 1\right) = \frac{7633}{120}$

174) $-3\frac{1}{6}x + 6\left(-1\frac{1}{6}x + 1\right) = 67$

175) $-\frac{16}{5} + 5\frac{1}{3}\left(3\frac{2}{3}r + \frac{1}{2}\right) = -63\frac{1}{9}$

176) $\frac{23}{6}\left(-4\frac{1}{2}n + 1\right) - 2n = 68$

177) $6\left(\frac{19}{5}x + \frac{4}{3}\right) = 84$

178) $-4\left(4k - \frac{7}{2}\right) = 70$

179) $-2\frac{4}{5}\left(-4a + \frac{9}{4}\right) = -73\frac{1}{2}$

180) $-6\left(\frac{8}{3}n + 1\right) = -102$

181) $-3\frac{2}{3}\left(3\frac{2}{5}x + 3\frac{1}{6}\right) = -61\frac{43}{90}$

182) $-6\frac{4}{5}\left(-3\frac{3}{4}k + \frac{5}{4}\right) = -72\frac{1}{4}$

183) $-3\frac{5}{6}\left(-3\frac{3}{4}r + 3\frac{1}{2}\right) - \frac{1}{4} = \frac{871}{12}$

184) $2\frac{2}{5} + 3\frac{2}{3}\left(\frac{12}{5}x + 2\frac{1}{6}\right) = 63\frac{13}{90}$

185) $1\frac{1}{2}v + 3\frac{1}{2}\left(4v + \frac{19}{6}\right) = 70\frac{1}{2}$

186) $\frac{23}{6}\left(\frac{7}{2}r + \frac{1}{3}\right) = -79\frac{2}{9}$

187) $\frac{5}{2}\left(-6x - 1\frac{5}{6}\right) - 2\frac{5}{6}x = \frac{1495}{24}$

188) $\frac{7}{2}\left(\frac{20}{3}p + 6\frac{1}{2}\right) = \frac{2359}{36}$

189) $2\frac{2}{5}n + \frac{11}{3}\left(4n + \frac{2}{3}\right) = -62\frac{92}{225}$

190) $6\left(\frac{15}{4}n - \frac{8}{5}\right) = -\frac{2859}{40}$

191) $-\frac{31}{6}\left(1\frac{2}{3}m + 2\frac{1}{2}\right) = -\frac{7595}{108}$

192) $\frac{5}{6}k + \frac{14}{5}\left(6k + 1\frac{2}{5}\right) = \frac{19691}{300}$

193) $-5\left(-\frac{14}{5}n + 1\right) = 65$

194) $-\frac{23}{6}\left(-5\frac{1}{3}p - 3\frac{1}{2}\right) = -63\frac{1}{4}$

195) $-4\frac{1}{2}\left(-3\frac{1}{2}n + 1\frac{1}{5}\right) + \frac{1}{2}n = 75\frac{17}{20}$

196) $-\frac{19}{6}b + 3\frac{1}{2}\left(-\frac{14}{5}b + 1\right) = \frac{813}{10}$

197) $-\frac{27}{5} + 2\frac{1}{2}\left(5x + \frac{5}{3}\right) = -74\frac{3}{20}$

198) $4\left(2\frac{5}{6}x + 1\right) = -64$

199) $3\frac{1}{5}\left(6\frac{1}{4}x - \frac{1}{2}\right) + \frac{17}{5}x = -83\frac{1}{2}$

200) $-\frac{12}{5}\left(\frac{23}{6}n + 1\frac{1}{4}\right) - 1\frac{1}{2} = -67\frac{11}{30}$

201) $k + 1\frac{1}{2} - 3\frac{1}{4}k = 1 - 1\frac{1}{2}k$

202) $4\frac{3}{4}r - 3\frac{3}{4} - \frac{5}{4}r = -2\frac{3}{28} - \frac{3}{2}r + 1 - \frac{1}{7}$

203) $\frac{1}{8}k + 5 = 7\frac{7}{16} - 1\frac{1}{2}k$

204) $\frac{5}{6}x + \frac{4}{5}x = -1\frac{1}{6}x - 3\frac{1}{2}$

205) $\frac{1}{5}n - \frac{2}{3} = -10\frac{23}{24} + \frac{17}{8}n + 4\frac{1}{4}n$

206) $1\frac{3}{7}x + 4\frac{2}{5} = \frac{367}{35} + \frac{17}{6}x - 2 + \frac{1}{6}x$

207) $\frac{3}{5}x + 4\frac{3}{4} + 3\frac{1}{2}x = -\frac{213}{160} + \frac{5}{8}x$

208) $\frac{1}{4}x - \frac{1}{8} + 3 = \frac{7}{2} - x$

209) $\frac{7}{8}r - \frac{8}{5} = -\frac{1117}{320} - \frac{1}{2}r$

210) $-2v + 1\frac{5}{6} = 2\frac{2}{3} - \frac{1}{3}v$

211) $7p - 1\frac{1}{3} = \frac{85}{6} - \frac{3}{4}p$

212) $m + 2\frac{1}{6} = \frac{7}{6}m - \frac{7}{3}m - 1\frac{43}{48}$

213) $3\frac{6}{7}r + 1 - \frac{7}{6}r = 5r - 1\frac{13}{42}$

214) $-1\frac{1}{3}k + 1 - 7 = -2\frac{8}{9} + k$

215) $-3\frac{1}{3}r - 2r = \frac{3}{7}r - \frac{1}{6}r - \frac{47}{21}$

216) $-\frac{8}{5}m + 1\frac{1}{5} = \frac{3}{10} - 2m$

217) $-1\frac{3}{4}x - \frac{1}{2}x = -\frac{21}{4}x - \frac{4}{3}x - 13\frac{13}{18}$

218) $x - 1\frac{2}{3} = \frac{223}{21} + \frac{9}{5}x + 3\frac{1}{2}x$

219) $-1\frac{1}{2}n + 1\frac{1}{2} = -2\frac{5}{9} + \frac{2}{3}n + 1 + 1\frac{1}{2}n$

220) $\frac{23}{6}b + 4\frac{5}{6} = -11\frac{5}{9} - 6b$

221) $-1\frac{1}{2}a + \frac{1}{8} = 1\frac{11}{24} - 3\frac{1}{2}a$

222) $3\frac{1}{4}x - \frac{4}{7}x = 1\frac{79}{168} + 2x$

223) $3\frac{1}{6}v + 1\frac{6}{7} = 2\frac{47}{63} + \frac{1}{2}v$

224) $2n + 1\frac{5}{8}n = -4\frac{15}{16} + \frac{1}{3}n$

$$225) \frac{1}{2}x - 1\frac{1}{6} = -6\frac{88}{105} - \frac{7}{5}x + 1\frac{1}{2} + 2$$

$$226) \frac{1}{7}a + 1\frac{1}{2}a = -9\frac{20}{21} - 3\frac{1}{3}a$$

$$227) 4\frac{1}{4}v + 2v = -3\frac{3}{7}v + 8\frac{29}{98}$$

$$228) 2m - \frac{1}{4} + 4\frac{6}{7}m = 6\frac{11}{28} + 1\frac{5}{6}m + \frac{7}{8} - 3\frac{3}{4}$$

$$229) 3\frac{5}{6}x + \frac{3}{4} + 2x = 2x - 8\frac{5}{6}$$

$$230) 3p + \frac{1}{5} - 2p = 1\frac{39}{70} + 1\frac{1}{2}p$$

$$231) -\frac{7}{2}b + 3\frac{3}{7}b = -1\frac{206}{245} + \frac{8}{5}b - \frac{1}{2}b$$

$$232) m - 2\frac{1}{2} + \frac{3}{4}m = -\frac{173}{56} + 1\frac{3}{8}m$$

$$233) -8b + \frac{3}{7} = -12\frac{29}{112} + 2\frac{3}{4}b - 7\frac{1}{8}b$$

$$234) -\frac{1}{7}x + 1 = \frac{449}{140} + \frac{9}{4}x - 1\frac{1}{6}x$$

$$235) \frac{1}{8}v + 1\frac{5}{6} = -\frac{31}{8} + v - 1\frac{1}{6} - 5v$$

$$236) n - 3\frac{1}{5} = -2\frac{67}{80} + \frac{5}{8}n + \frac{6}{5} - 1$$

$$237) x + \frac{17}{4} = -\frac{4}{3}x - 3\frac{1}{3}$$

$$238) x + \frac{17}{6} = \frac{1}{2} - x$$

$$239) 2k + \frac{5}{6}k = -\frac{3}{4}k + 4\frac{4}{5} + \frac{2}{3}k - \frac{977}{240}$$

$$240) -\frac{5}{7}a + 6\frac{2}{3}a = -11\frac{1}{35} - 1\frac{2}{5}a$$

$$241) 1\frac{3}{7}k - 2 + 2\frac{1}{6} = -\frac{58}{35} + 2\frac{4}{5}k + \frac{1}{2} + \frac{13}{5}k$$

$$242) \frac{3}{4}a + \frac{4}{7} + \frac{1}{6}a = -10\frac{47}{84} + 8a$$

$$243) 4\frac{3}{4}v + v = 4\frac{1}{2} + 8v$$

$$244) -\frac{5}{4}m - \frac{3}{4} + 4\frac{2}{7} = 9\frac{1}{28} + 1\frac{1}{2}m$$

$$245) 1\frac{2}{3}a - \frac{1}{3} = -4\frac{24}{49} - \frac{4}{7}a$$

$$246) b + 3\frac{2}{3} = 1\frac{1}{8}b + 4\frac{5}{8}b - \frac{127}{12}$$

$$247) n - 1\frac{5}{7} = -\frac{27}{14} + 1\frac{1}{7}n$$

$$248) -1\frac{1}{2}b - 2\frac{1}{8} = -9\frac{85}{168} + \frac{1}{6}b$$

249) $2m + \frac{1}{2} = \frac{1}{2}m$

250) $1\frac{5}{6}x + 4\frac{1}{2} + 2\frac{2}{5}x = 14\frac{21}{50} + 1\frac{1}{6}x + x$

251) $p + \frac{5}{2} = \frac{401}{98} + \frac{13}{7}p$

252) $p + \frac{5}{4} = -\frac{7}{8}p - 8\frac{53}{64}$

253) $1\frac{1}{2}v + \frac{1}{4} = 3\frac{2}{3}v + \frac{25}{48}$

254) $\frac{5}{3}n - 3\frac{7}{8}n = -3\frac{83}{168} + 1\frac{2}{7}n$

255) $-\frac{8}{5}p - \frac{11}{8}p = \frac{91}{80} - 3\frac{1}{2}p$

256) $\frac{3}{5}x + 1 = 10\frac{5}{12} - \frac{17}{5}x + 1 + \frac{1}{4}$

257) $p - \frac{6}{5} = -\frac{559}{90} + 1\frac{1}{3}p + \frac{12}{5}p$

258) $a + 2\frac{2}{3} + 2a = 8\frac{3}{5}a - 8\frac{8}{15}$

259) $\frac{2}{5}n + 8n = -15\frac{9}{35} - \frac{1}{2}n$

260) $\frac{19}{6}m + \frac{1}{2} - 5 = 1\frac{1}{6} - 2\frac{1}{2}m$

261) $\frac{1}{3}v - \frac{8}{5}v = \frac{361}{48} + 4\frac{3}{4}v$

262) $n + 1\frac{1}{4} = 2n$

263) $\frac{3}{2}n - 3 = 1\frac{1}{2}n - 3$

264) $n + \frac{9}{4} = -1\frac{1}{2}n + 11\frac{5}{8}$

265) $r + 3\frac{1}{4} + \frac{2}{5}r = -4\frac{139}{210} + \frac{1}{3}r + 7 + 4\frac{5}{7}r$

266) $2\frac{2}{3}a - \frac{1}{2}a = -1\frac{1}{5}a + \frac{707}{150}$

267) $x + 3\frac{5}{8} = 1 + x + 1\frac{3}{4}x$

268) $\frac{2}{3}x + 3\frac{2}{3} = \frac{31}{7} - \frac{2}{3}x$

269) $3\frac{5}{8}k + 1 = 6\frac{21}{64} + 2\frac{1}{4}k$

270) $x + 1\frac{2}{5} = \frac{1101}{140} + \frac{8}{7}x + \frac{25}{6}x$

271) $p - \frac{13}{8} = -2\frac{2}{3} + 4\frac{1}{8}p$

272) $3\frac{3}{5}p + \frac{1}{2} = \frac{53}{70} + 2p - 1\frac{3}{7} - \frac{11}{7}$

273) $x + 1\frac{1}{5} = 4\frac{19}{20} + 2\frac{2}{3}x$

274) $p - \frac{1}{3} - 1\frac{1}{3}p = 2 + 2p$

275) $-2\frac{1}{2}p + \frac{1}{3} = -\frac{65}{12} + 1\frac{1}{3}p$

276) $\frac{1}{2}x + 1 = -1\frac{8}{15} + 3\frac{2}{3}x$

277) $-2\frac{1}{6}v - 1\frac{2}{3} = -\frac{295}{147} - \frac{11}{7}v$

278) $\frac{1}{6}x + \frac{11}{5} = 9\frac{277}{360} + x - 6\frac{7}{8} - \frac{5}{8}x$

279) $-1\frac{5}{6}n + 3\frac{1}{6}n = 1\frac{1}{7}n + \frac{52}{147}$

280) $\frac{9}{4}r - 3\frac{3}{4} = -7\frac{58}{75} - 3\frac{2}{5}r + \frac{1}{3} - \frac{1}{2}r$

281) $\frac{5}{6}n - 1\frac{5}{6}n = \frac{7}{16} - \frac{5}{4}n$

282) $-1\frac{5}{8}x - \frac{2}{3}x = 9\frac{4}{15} + 3\frac{1}{2}x$

283) $-2\frac{5}{8}v + \frac{3}{5} = 1\frac{1}{3}v - 5\frac{11}{15}$

284) $\frac{7}{2}n + 1 = 7 - \frac{1}{2}n$

285) $\frac{2}{3}m + \frac{3}{4} - \frac{9}{4}m = \frac{3}{4} - \frac{4}{5}m$

286) $3\frac{5}{6}n + 2\frac{1}{6} = -1\frac{2}{3}n + 15$

287) $\frac{13}{7}x + 1 = \frac{2291}{336} + 3\frac{3}{8}x$

288) $-\frac{15}{4}x + 1 - 7\frac{3}{4}x = -3\frac{1}{4}x + \frac{59}{4}$

289) $1\frac{6}{7}n + \frac{1}{3} = -3\frac{2}{3}n - \frac{283}{21}$

290) $1\frac{3}{7}r + \frac{3}{4}r = -\frac{97}{28} - 1\frac{2}{7}r$

291) $-\frac{2}{3}x + \frac{1}{5} + 1 = -\frac{92}{15} - 8x$

292) $1\frac{2}{3}n + \frac{17}{5}n = \frac{379}{90} - 1\frac{1}{4}n$

293) $-\frac{3}{7}x - 1\frac{1}{2} = -\frac{569}{70} + 3\frac{5}{7}x$

294) $x - 1\frac{3}{8} - 1\frac{2}{5}x = \frac{13}{8} - 2x$

295) $\frac{4}{5}r - 2 + 3\frac{1}{7} = -\frac{1}{3}r + 2\frac{827}{840}$

296) $n + 3\frac{1}{5} = -8\frac{229}{280} + 2\frac{1}{2}n + 2 + 1\frac{7}{8}$

$$297) n - 1\frac{5}{8} = -\frac{157}{32} + 1\frac{3}{4}n$$

$$298) 3\frac{4}{5}k + \frac{1}{3} = 3\frac{6}{7}k + \frac{11}{21}$$

$$299) k + \frac{1}{2} = 2\frac{3}{4}k + \frac{5}{2}$$

$$300) 4\frac{2}{3}x + 4\frac{1}{3} = 12\frac{79}{840} - \frac{5}{6}x - \frac{19}{8} + \frac{13}{5}x$$

$$301) -\frac{10}{9}v - 4v = 4\frac{13}{288} - 1\frac{7}{8}v$$

$$302) -\frac{2}{3}n + 1 = -\frac{1}{5}n + 1\frac{3}{5}$$

$$303) 4\frac{3}{5}x - 1\frac{3}{4}x = 3\frac{1}{3}x + \frac{29}{270}$$

$$304) n + \frac{2}{3} = 1\frac{17}{21} - \frac{1}{7}n$$

$$305) \frac{4}{5}v + 2\frac{3}{8} = \frac{40}{9}v - \frac{15}{4} + 3\frac{1}{8}v - \frac{3159}{280}$$

$$306) 1\frac{1}{7}x + \frac{2}{9} = \frac{9314}{1575} + 4\frac{7}{10}x$$

$$307) \frac{45}{8}x + \frac{6}{7}x = -12\frac{227}{240} - 3\frac{1}{2}x + \frac{9}{10} + \frac{2}{5}$$

$$308) 2a + \frac{5}{2} = \frac{71}{50} + 1\frac{7}{10}a$$

$$309) \frac{3}{2}a + 5 = -4\frac{3}{4} - 9a + \frac{3}{4}$$

$$310) -1\frac{1}{2}n + 1 + 1\frac{3}{5} = \frac{28}{5} + 5n + 3\frac{3}{5} - 2\frac{9}{10}n$$

$$311) -\frac{1}{6}k - \frac{8}{9} = -\frac{8}{9} + 2\frac{1}{2}k$$

$$312) -\frac{7}{3}x + \frac{2}{5} = 2\frac{1}{6}x + 2\frac{13}{20}$$

$$313) -\frac{7}{4}n + 1 = \frac{27}{16} + n$$

$$314) -1\frac{7}{9}m + 2 = 13\frac{5}{21} + 5\frac{5}{7}m$$

$$315) -\frac{2}{3}x + \frac{16}{9} + 3\frac{3}{5} = -\frac{497}{180} + x + 5\frac{5}{9} - \frac{22}{7}x$$

$$316) \frac{5}{9}n + 2 + 1\frac{1}{2}n = -7\frac{19}{72} - \frac{1}{2}n$$

$$317) -5p - 8\frac{7}{8} + \frac{1}{3} = -\frac{205}{24} - \frac{3}{4}p - 3\frac{2}{9}p$$

$$318) \frac{7}{6}x + 1 = 3\frac{1}{2}x - \frac{13}{15}$$

$$319) \frac{1}{6}b - \frac{15}{7} = \frac{81}{70} + \frac{1}{5}b - 1\frac{5}{6}b$$

$$320) 5\frac{1}{9}x + 1\frac{1}{4} = 2\frac{173}{480} + 3\frac{1}{4}x - 2\frac{1}{10} + 4\frac{1}{2}x$$

321) $v - 1\frac{4}{7} - v = -4\frac{17}{42} - 2\frac{5}{6}v$

322) $-2n + 3\frac{1}{3}n = \frac{37}{6} - \frac{7}{4}n$

323) $-1\frac{4}{5}a + 1 = \frac{1}{2} - 1\frac{3}{10}a$

324) $1\frac{1}{2}x + \frac{2}{9} = -\frac{1787}{180} - 3\frac{1}{3}x$

325) $1\frac{2}{5}k + 5\frac{1}{7} = -3k - 1\frac{27}{35}$

326) $\frac{9}{10}m + \frac{9}{2} = -1\frac{4}{5}m + \frac{9}{50}$

327) $\frac{7}{10}v + 2\frac{8}{9} = -\frac{503}{180} + v + \frac{25}{6} + \frac{5}{3}$

328) $\frac{3}{2}x - \frac{37}{10} = 2\frac{19}{80} - \frac{5}{3}x$

329) $-1\frac{4}{5}r + 1 = 7\frac{15}{56} + 1\frac{1}{8}r$

330) $\frac{23}{6}p - 1\frac{1}{5} = -1\frac{17}{30} + 2p$

331) $1\frac{1}{8}x + 1 + 4\frac{1}{2} = -1\frac{3}{8}x + 1 - \frac{3}{5} + 4\frac{4}{15}$

332) $v + \frac{2}{5} = -\frac{4}{3}v + 11\frac{11}{30}$

333) $3\frac{7}{10}v + \frac{43}{10} = \frac{53}{70} - 2\frac{1}{2}v$

334) $5\frac{1}{6}x - 3\frac{2}{3} = \frac{82}{75} + \frac{2}{5}x - \frac{1}{3} + 2x$

335) $k + \frac{4}{5} = -k + 3\frac{2}{15}$

336) $-6b - \frac{19}{6}b = -\frac{5}{3}b + \frac{3}{7} + 3\frac{3}{4} - 13\frac{5}{28}$

337) $x - \frac{2}{3} = 5\frac{3}{5}x - \frac{2}{3}$

338) $4\frac{5}{6}r + \frac{17}{10}r = 2\frac{2}{3}r + 13\frac{1}{20}$

339) $1\frac{4}{9}v + \frac{1}{6}v = -\frac{1}{9}v - 1\frac{13}{18}$

340) $-\frac{20}{9}x - \frac{2}{3}x = -1\frac{4}{7}x - 2\frac{443}{567}$

341) $-\frac{3}{2}n + 1\frac{7}{9}n = \frac{1295}{216} + 3\frac{7}{8}n$

342) $\frac{7}{8}x - 1\frac{6}{7}x = \frac{1413}{1960} + \frac{27}{10}x - 2x$

343) $x - 1\frac{3}{8} = -\frac{1}{2}x - \frac{5}{8}$

344) $3\frac{8}{9}x + \frac{3}{2} = \frac{167}{18} - 1\frac{5}{9}x + 1\frac{5}{9}x$

$$345) -\frac{5}{3}x + 1 = \frac{1}{28} - \frac{2}{3}x + \frac{1}{2} - 3\frac{2}{7}$$

$$346) -1\frac{1}{2}n + 1\frac{1}{4}n = -\frac{35}{72} + \frac{3}{8}n$$

$$347) \frac{44}{9}b + 1 = \frac{1}{36} + b$$

$$348) 1\frac{1}{3}n + 3\frac{4}{5} = 11\frac{49}{50} - 2\frac{4}{5}n + 1 + \frac{7}{3}n$$

$$349) b + \frac{3}{4} = 2\frac{1}{8}b + 5 + \frac{2}{5} - 4\frac{17}{40}$$

$$350) \frac{3}{5}n - \frac{1}{3} = -2\frac{1}{2} - 2\frac{2}{5}n + \frac{11}{8}n$$

$$351) m + \frac{1}{2} = 1\frac{1}{8} + 2m$$

$$352) -\frac{10}{9}b - 9 = -15\frac{34}{45} + \frac{2}{3}b$$

$$353) n - 1\frac{3}{5} = -9\frac{4}{7} + 2\frac{4}{5}n$$

$$354) x - \frac{4}{5} = \frac{4}{5}x - 1\frac{1}{2}$$

$$355) 1\frac{7}{8}m + 4\frac{1}{2} = \frac{3}{5}m + \frac{1497}{140}$$

$$356) \frac{5}{9}a + 4\frac{5}{6} = 10\frac{617}{630} - \frac{7}{5}a$$

$$357) \frac{5}{6}b - 1\frac{1}{2}b = -2\frac{2}{21} + 1\frac{1}{3}b + \frac{8}{3} - 4\frac{4}{7}$$

$$358) 2\frac{2}{3}x + 2 = \frac{37}{3} + 5\frac{1}{3}x$$

$$359) x + \frac{3}{4} = \frac{3}{2} + \frac{1}{2}x$$

$$360) 1\frac{1}{6}k - \frac{5}{2} = -\frac{191}{36} + 5\frac{3}{8}k$$

$$361) 3a + \frac{17}{3} - 1\frac{1}{2}a = a + \frac{103}{24}$$

$$362) -\frac{13}{7}r + r = \frac{201}{280} + \frac{1}{10}r$$

$$363) \frac{11}{6}n - \frac{9}{4} = -\frac{79}{42} + \frac{2}{3}n + \frac{3}{7}n$$

$$364) \frac{5}{9}b + \frac{3}{7} = 4\frac{2}{21} - \frac{4}{9}b$$

$$365) \frac{3}{4}p + 1\frac{2}{3} = \frac{22}{9} - p$$

$$366) \frac{1}{6}p + 4\frac{7}{10} + 3\frac{1}{6} = \frac{2083}{240} + \frac{3}{5}p$$

$$367) \frac{3}{4}x + 3\frac{1}{3}x = -2\frac{101}{105} - 1\frac{1}{10}x$$

$$368) \frac{37}{9}k + 1 = -10\frac{74}{81} + \frac{29}{8}k + \frac{19}{6}k$$

$$369) -3\frac{1}{2}n + \frac{14}{9} = -\frac{11479}{900} - \frac{4}{5}n$$

$$370) x - 1\frac{1}{8} - 2\frac{5}{6}x = -2\frac{7}{96} - \frac{3}{4}x$$

$$371) -3\frac{1}{6}m + 3 + 1\frac{4}{7} = \frac{1573}{168} - 1\frac{1}{4}m$$

$$372) 3\frac{4}{9}k + 1 = -\frac{39}{10}k + \frac{11}{7}k + 8\frac{659}{945}$$

$$373) \frac{2}{3}n + \frac{1}{4} = 5\frac{149}{420} + \frac{6}{5}n$$

$$374) x + 3\frac{6}{7} + \frac{11}{2}x = 7\frac{27}{56} + 5\frac{7}{8}x$$

$$375) 2b - \frac{4}{3} = -\frac{4}{3} + \frac{21}{4}b - 3\frac{4}{7}b$$

$$376) 2n - 1\frac{7}{8} - \frac{16}{9}n = 2\frac{17}{24} - n$$

$$377) 2\frac{1}{9}x + 1 = -11\frac{71}{162} - \frac{3}{2}x$$

$$378) -\frac{1}{3}n + \frac{8}{9}n = -2\frac{233}{630} + 1\frac{6}{7}n - 1\frac{5}{6} + 1\frac{3}{5}$$

$$379) \frac{3}{10}p + \frac{1}{2} = -\frac{2}{9}p + \frac{1}{3} - \frac{13}{8} + 1\frac{1237}{1800}$$

$$380) -2n + \frac{2}{3}n = -5 - \frac{1}{3}n$$

$$381) 2p + 3\frac{6}{7} = 16\frac{6}{7} - \frac{11}{3}p - \frac{1}{9}p$$

$$382) k + \frac{13}{4} = k + \frac{13}{4}$$

$$383) -\frac{7}{2}b + 3\frac{3}{4} = 9\frac{1}{4} - \frac{1}{2}b$$

$$384) 4\frac{4}{5}m - 2 = -\frac{33}{25} + 3\frac{2}{3}m$$

$$385) \frac{13}{7}n - 3\frac{1}{3} = -14\frac{35}{36} + 3\frac{1}{6}n + 1\frac{3}{7} + \frac{2}{3}n$$

$$386) -\frac{1}{9}r + \frac{5}{3} = \frac{2335}{441} + \frac{3}{7}r + 2r$$

$$387) b + \frac{29}{9} - 1\frac{4}{7}b = 1\frac{7}{8}b - \frac{7}{9}b - \frac{377}{28}$$

$$388) n + \frac{5}{6} = \frac{1327}{1260} - 2\frac{3}{8}n + \frac{3}{10} + 1\frac{5}{9}n$$

$$389) 1\frac{5}{7}v + \frac{7}{3} = \frac{1241}{420} + \frac{5}{8}v + \frac{7}{5}v$$

$$390) b - \frac{9}{5} = 2\frac{5}{9}b - 1\frac{2}{5} + \frac{7}{8} - 16\frac{299}{360}$$

$$391) 1\frac{1}{2}p + 1\frac{1}{4} = \frac{215}{32} + 1\frac{5}{7}p - 9\frac{1}{8} + 1\frac{7}{8}p$$

$$392) a - 1\frac{1}{6} + \frac{1}{2} = \frac{3a - 13}{3}$$

$$393) -1\frac{1}{5}n + 1 + \frac{3}{8}n = -\frac{49}{24} + n$$

$$394) k + 5\frac{5}{6} = 9\frac{1}{12} + 3\frac{1}{6}k$$

$$395) 1\frac{3}{8}a + 1 = 1\frac{3}{8} + a$$

$$396) 1\frac{2}{3}m + 1 = \frac{187}{72} + 1\frac{1}{4}m$$

$$397) -2\frac{2}{9}x + \frac{3}{4} = \frac{3}{4} - 1\frac{2}{3}x$$

$$398) -\frac{3}{2}b + 1 = \frac{6}{5} - 2\frac{1}{2}b$$

$$399) \frac{31}{8}p + \frac{14}{9} = \frac{82}{9} - \frac{11}{8}p + p$$

$$400) v + 1\frac{3}{5} - 1\frac{1}{2}v = 6\frac{58}{105} - 1\frac{3}{7}v$$

$$401) 133\frac{1591}{1620} = \frac{23}{6}\left(5\frac{4}{9}n + 4\frac{1}{10}\right)$$

$$402) -7x + 2\frac{5}{8}\left(-1\frac{9}{10}x + \frac{4}{7}\right) = \frac{8751}{80}$$

$$403) 117\frac{17}{30} = -1\frac{3}{5}x + 3\frac{1}{2}\left(\frac{53}{9}x + 1\right)$$

$$404) 102\frac{11}{18} = 5\left(3\frac{2}{3}x - 1\frac{2}{3}\right) + 4$$

$$405) -\frac{1519}{15} = -9\frac{4}{5}\left(p + \frac{13}{3}\right)$$

$$406) \frac{13875}{128} = 3\frac{1}{8}\left(-\frac{77}{8}v + 1\right)$$

$$407) \frac{1977}{16} = 4\frac{1}{6}\left(\frac{45}{8}n + 1\right) - 3$$

$$408) 5\frac{2}{5}\left(\frac{17}{3}a + 3\frac{1}{6}\right) + 2a = \frac{2783}{15}$$

$$409) 4\left(5\frac{1}{2}x - 3\frac{5}{9}\right) = -\frac{1514}{9}$$

$$410) -113\frac{5}{32} = -\frac{4}{3}m - \frac{83}{8}\left(m + \frac{3}{4}\right)$$

$$411) 6\left(2\frac{1}{6}n + \frac{25}{9}\right) = 136\frac{4}{15}$$

$$412) 118 = 7\left(n + \frac{38}{7}\right) + 3n$$

$$413) -\frac{14927}{112} = \frac{23}{8}\left(5\frac{1}{6}r + \frac{1}{7}\right)$$

$$414) -\frac{18}{5}\left(\frac{23}{4}b + 1\right) = 182\frac{7}{10}$$

$$415) -116\frac{1}{4} = -9\left(-\frac{29}{10}n + \frac{17}{3}\right)$$

$$416) -\frac{34624}{315} = \frac{4}{7}a + 5\frac{1}{3}\left(-3\frac{3}{4}a - 1\frac{2}{3}\right)$$

$$417) -5\left(\frac{18}{5}x + \frac{7}{2}\right) = -\frac{359}{2}$$

$$418) -165\frac{307}{378} = -\frac{10}{9}n + 9\left(-3\frac{4}{7}n + \frac{2}{3}\right)$$

$$419) 123\frac{187}{900} = 4\frac{9}{10}\left(5\frac{8}{9}x + 1\right)$$

$$420) 4\frac{4}{5}\left(\frac{11}{2}n + 1\frac{2}{5}\right) = \frac{9524}{75}$$

$$421) -3\frac{3}{5}\left(\frac{41}{8}x + \frac{1}{3}\right) = -\frac{1119}{10}$$

$$422) 110\frac{251}{630} = 4\frac{1}{5}\left(4\frac{1}{2}b - \frac{14}{9}\right) + 3\frac{2}{9}b$$

$$423) \frac{14131}{108} = 4\frac{7}{8}\left(2\frac{5}{9}n + 1\right)$$

$$424) -134\frac{151}{180} = \frac{26}{5}\left(-7k - \frac{27}{8}\right)$$

$$425) -10\left(2m + \frac{57}{10}\right) = -173$$

$$426) 6\left(5\frac{5}{6}n + \frac{13}{3}\right) = 148\frac{1}{2}$$

$$427) 3\frac{1}{2}\left(5\frac{1}{2}m + 1\right) = 117\frac{3}{40}$$

$$428) \frac{21794}{189} = \frac{31}{9}\left(\frac{39}{7}m + 1\right) - 1\frac{1}{7}$$

$$429) 148\frac{31}{40} = \frac{19}{7}k + 5\frac{5}{6}\left(5\frac{1}{4}k + 1\frac{1}{2}\right)$$

$$430) -133\frac{517}{1008} = \frac{19}{4}\left(8\frac{3}{7}x - 3\frac{1}{4}\right) - 7\frac{5}{6}x$$

$$431) -154\frac{11}{28} = \frac{33}{7}\left(-3\frac{3}{4}r + 1\right)$$

$$432) \frac{3}{7} + 3\frac{5}{6}\left(5m + 1\frac{3}{5}\right) = \frac{72559}{630}$$

$$433) \frac{39}{8}\left(5\frac{1}{4}m + \frac{9}{4}\right) = \frac{43641}{320}$$

$$434) 10\left(-1\frac{3}{4}p + 1\right) = \frac{380}{3}$$

$$435) -7\left(1\frac{2}{3}p + \frac{11}{6}\right) = \frac{623}{6}$$

$$436) 102\frac{23}{210} = \frac{11}{3}\left(5\frac{3}{10}n + 1\right) - 1\frac{1}{2}$$

$$437) -130\frac{12}{25} = 1\frac{2}{5}\left(9a - \frac{16}{5}\right)$$

$$438) 3\frac{5}{6}\left(-6k + 1\frac{7}{10}\right) + 3\frac{3}{4} = -\frac{5327}{30}$$

$$439) 108\frac{2}{3} = 2\left(\frac{16}{3}r + 1\right)$$

$$440) 125\frac{3}{5} = -4\frac{1}{2}\left(-6a + 3\frac{1}{5}\right) - \frac{1}{3}a$$

$$441) 1\frac{7}{9}\left(\frac{21}{2}m + \frac{4}{9}\right) + \frac{7}{8}m = 114\frac{1015}{1296}$$

$$442) 4\frac{5}{8}\left(\frac{47}{8}x - 1\right) + \frac{23}{4}x = 188\frac{13}{64}$$

$$443) \frac{16}{3}\left(\frac{13}{3}k - \frac{15}{4}\right) = \frac{2996}{27}$$

$$444) 9 + 5\frac{4}{7}\left(3\frac{1}{9}b - 1\frac{1}{7}\right) = -\frac{7515}{49}$$

$$445) \frac{9}{2}x - 3\left(5\frac{3}{4}x + \frac{2}{7}\right) = 126\frac{9}{14}$$

$$446) \frac{1}{9}a - 6\left(3\frac{5}{9}a + \frac{2}{5}\right) = -108\frac{23}{45}$$

$$447) -\frac{5}{6}b + \frac{57}{10}\left(-3\frac{5}{8}b + 1\right) = -209\frac{31}{120}$$

$$448) -\frac{836}{7} = \frac{11}{3}\left(-3\frac{3}{7}n - 1\frac{5}{7}\right)$$

$$449) \frac{11}{4} - 10\left(1\frac{1}{3}r + 2\frac{2}{3}\right) = -117\frac{1}{4}$$

$$450) 5\frac{5}{6}\left(\frac{30}{7}n + 1\right) = \frac{2605}{18}$$

$$451) \frac{43}{10}\left(-8x - 3\frac{1}{3}\right) = \frac{3053}{30}$$

$$452) -10\frac{1}{4}\left(\frac{25}{6}n - 2\right) = -161\frac{1}{96}$$

$$453) \frac{103969}{900} = \frac{4}{9} + 3\frac{4}{5}\left(\frac{21}{4}k - \frac{1}{6}\right)$$

$$454) -1\frac{1}{3}\left(-10\frac{2}{9}x + \frac{7}{5}\right) = \frac{604}{5}$$

$$455) -3\frac{1}{6}\left(-7n - \frac{13}{4}\right) = 116\frac{43}{216}$$

$$456) \frac{7825}{63} = 4\frac{1}{6}\left(3\frac{1}{6}n - 1\frac{6}{7}\right)$$

$$457) 10\left(\frac{5}{4}x + 6\frac{4}{7}\right) = 114\frac{13}{28}$$

$$458) -\frac{8817}{80} = 4\frac{7}{8} + \frac{33}{8}\left(-2\frac{5}{9}r - \frac{11}{6}\right)$$

$$459) 151\frac{5}{12} = -\frac{23}{8}\left(5\frac{1}{6}n - 1\right)$$

$$460) 148\frac{19}{42} = 4\frac{5}{6}\left(5\frac{3}{4}p - \frac{1}{2}\right)$$

$$461) 189\frac{11}{168} = 5\frac{3}{4}\left(5\frac{1}{2}b + 1\frac{5}{7}\right)$$

$$462) \frac{1}{2}r - 8\left(-1\frac{1}{2}r + \frac{4}{7}\right) = -117\frac{1}{14}$$

$$463) 111\frac{2}{3} = 10\left(\frac{7}{9}x + 4\frac{1}{6}\right)$$

$$464) 115\frac{53}{270} = 10k + 3\frac{1}{6}\left(5\frac{8}{9}k + 2\right)$$

465) $4\frac{2}{3}\left(2\frac{1}{3}x + \frac{1}{2}\right) = -\frac{959}{9}$

466) $118\frac{35}{81} = \frac{53}{9}\left(\frac{18}{5}m - \frac{8}{9}\right)$

467) $120\frac{4}{21} = -6\left(-\frac{32}{9}x + \frac{6}{7}\right)$

468) $141\frac{63}{64} = 4\frac{7}{8}\left(\frac{33}{10}r - \frac{31}{8}\right)$

469) $-372\frac{3}{4} = -7\left(5\frac{1}{2}n - 1\frac{3}{4}\right)$

470) $2\frac{1}{2}\left(5\frac{7}{8}n + 4\frac{3}{8}\right) = -106\frac{9}{16}$

471) $-3\frac{4}{9}\left(4\frac{1}{5}x + 1\frac{2}{5}\right) = -\frac{9331}{90}$

472) $2\frac{5}{8}\left(5\frac{1}{2}m + 1\frac{1}{4}\right) = 104\frac{11}{32}$

473) $-\frac{9}{4}\left(-9\frac{5}{6}r + 1\right) = \frac{7467}{64}$

474) $\frac{49}{10}\left(3\frac{8}{9}n + \frac{4}{9}\right) = \frac{29743}{270}$

475) $204\frac{5}{6} = -3\frac{1}{4}p + 9\left(5\frac{2}{9}p - 3\frac{1}{6}\right)$

476) $-113\frac{11}{28} = 2\left(\frac{11}{2}x + \frac{17}{7}\right)$

477) $\frac{41}{9}\left(4\frac{1}{2}x + 2\frac{2}{7}\right) = -176\frac{655}{1008}$

478) $-204 = 8\left(-2\frac{5}{8}x + \frac{5}{6}\right) - \frac{2}{3}$

479) $-\frac{679}{5} = 3\frac{2}{5}\left(4\frac{1}{4}p + 1\right) + 5\frac{3}{10}$

480) $3\frac{1}{2}\left(3\frac{5}{7}x + 1\right) + 1\frac{2}{3}x = -\frac{257}{2}$

481) $5\frac{3}{8}\left(-4k - \frac{25}{8}\right) = -135\frac{3}{64}$

482) $222\frac{19}{20} = 5\frac{1}{5}\left(8n - 2\frac{1}{8}\right)$

483) $-\frac{59}{6}\left(2k + 5\frac{3}{8}\right) = -138\frac{43}{48}$

484) $117\frac{3}{4} = -9\left(-3k + \frac{1}{4}\right)$

485) $-10\left(1\frac{1}{3}x - \frac{1}{2}\right) = 125$

486) $-101\frac{65}{96} = 2n - 3\frac{1}{4}\left(5\frac{1}{4}n + \frac{17}{4}\right)$

487) $-120\frac{6}{7} = -3\frac{6}{7}\left(5\frac{5}{6}n + 1\frac{1}{3}\right)$

488) $116\frac{493}{900} = 5\frac{4}{5}\left(3\frac{4}{9}p + 4\frac{1}{4}\right)$

489) $\frac{29435}{216} = 5\frac{5}{6}\left(\frac{29}{9}x + 4\frac{5}{6}\right)$

490) $\frac{2407}{12} = \frac{83}{10}\left(4\frac{3}{4}x + 2\right)$

491) $-3\frac{1}{7}\left(5\frac{6}{7}v + 1\right) = -103\frac{25}{343}$

492) $144 = 4\left(\frac{35}{6}p + 1\right)$

493) $4\frac{7}{9}\left(9n - \frac{1}{4}\right) = \frac{31519}{180}$

494) $380\frac{7}{15} = 4\frac{7}{8}\left(-8b + \frac{8}{5}\right)$

495) $-1\frac{1}{2} + 4\frac{3}{8}\left(5\frac{3}{10}p + 1\right) = 134\frac{13}{48}$

496) $-107\frac{8}{15} = 4\left(-\frac{29}{10}a + \frac{2}{3}\right)$

497) $-\frac{8}{5}\left(9\frac{1}{3}k - 1\right) + \frac{13}{3} = \frac{1657}{15}$

498) $5\frac{3}{4}\left(-5b + 1\frac{1}{2}\right) = \frac{989}{8}$

499) $4\frac{1}{6}\left(\frac{53}{10}v + \frac{23}{4}\right) = 102\frac{139}{168}$

500) $\frac{11}{3}\left(3\frac{1}{7}n + 7\right) = 140\frac{19}{21}$

501) $-1\frac{3}{13}\left(\frac{4}{7}b + 3\frac{3}{4}\right) + \frac{61}{8}\left(\frac{38}{5}b + \frac{1}{3}\right) = -96\frac{2329}{19110}$

502) $-\frac{2}{9}\left(-\frac{9}{5}x + 5\frac{1}{2}\right) - 12\left(x + \frac{3}{7}\right) = -13\frac{155}{252}$

503) $-3\frac{10}{11}\left(1\frac{3}{4}b - 1\right) + \frac{37}{12}\left(b + 2\frac{5}{6}\right) = 3\frac{2881}{5544}$

504) $-\frac{4}{7}\left(x - 1\frac{7}{9}\right) + \frac{1}{3}\left(4\frac{1}{2}x - 1\frac{1}{13}\right) = -\frac{6343}{6552}$

505) $\frac{45}{8}\left(-2\frac{2}{7}n + \frac{5}{2}\right) + \frac{11}{2}\left(-\frac{23}{8}n + 1\right) = 5\frac{51}{224}$

506) $\frac{1}{2}\left(\frac{7}{12}x + \frac{2}{11}\right) - 10\frac{2}{3}\left(11x - 1\frac{7}{12}\right) = -\frac{170507}{6336}$

507) $-\frac{1}{7}\left(\frac{92}{13}a + 1\right) + \frac{71}{9}\left(-\frac{1}{13}a + 5\frac{5}{9}\right) = 43\frac{388}{567}$

508) $-\frac{7}{5}\left(7\frac{9}{14}a - \frac{13}{14}\right) + \frac{11}{7}\left(6\frac{3}{5}a + 1\right) = 2\frac{41}{84}$

509) $-\frac{4}{5}\left(-1\frac{10}{11}r + \frac{50}{11}\right) - \left(-1\frac{5}{8}r + 1\right) = 4\frac{57}{1760}$

510) $\frac{2}{3}\left(5\frac{5}{9}v - 1\right) - 2\left(\frac{71}{10}v + 1\right) = 29\frac{1129}{1620}$

$$511) \frac{11}{6} \left(\frac{8}{5}x + 1 \right) + \frac{29}{4} \left(1 \frac{7}{10}x + \frac{7}{12} \right) = -9 \frac{47}{240}$$

$$512) 4 \frac{1}{2} \left(-1 \frac{8}{13}r + 2 \frac{10}{11} \right) - 2 \left(\frac{23}{13}r + 3 \frac{2}{5} \right) = -\frac{207607}{18590}$$

$$513) 1 \frac{1}{12} \left(n + \frac{24}{11} \right) + \frac{1}{2} \left(\frac{1}{3}n + 5 \frac{5}{11} \right) = -\frac{243}{22}$$

$$514) -3 \frac{1}{4} \left(-\frac{3}{11}x + 1 \right) - \frac{11}{3} \left(\frac{1}{2}x + 3 \frac{1}{4} \right) = -14 \frac{49}{792}$$

$$515) 1 \frac{11}{12} \left(-3 \frac{3}{14}x + 5 \frac{13}{14} \right) - \frac{1}{10} \left(-2x + 6 \frac{5}{6} \right) = \frac{1443}{70}$$

$$516) 6 \frac{2}{3} \left(6 \frac{4}{5}n + \frac{1}{6} \right) + \frac{6}{7} \left(4 \frac{4}{9}n - \frac{9}{5} \right) = -\frac{4006}{315}$$

$$517) -\frac{19}{12} \left(x + 1 \frac{1}{2} \right) + \frac{1}{3} \left(-\frac{1}{2}x + 1 \frac{2}{9} \right) = 4 \frac{20}{27}$$

$$518) \frac{6}{13} \left(\frac{12}{13}n + 6 \frac{3}{10} \right) + \frac{1}{4} \left(n + \frac{17}{11} \right) = 2 \frac{193}{5005}$$

$$519) 5 \left(\frac{4}{9}p + \frac{10}{13} \right) - \frac{23}{13} \left(3 \frac{1}{12}p + 1 \frac{4}{9} \right) = -\frac{101}{52}$$

$$520) 2 \frac{11}{13} \left(\frac{3}{4}n + 1 \frac{1}{2} \right) - 3 \frac{2}{13} \left(-3 \frac{9}{10}n + \frac{22}{9} \right) = \frac{374701}{18720}$$

$$521) \frac{11}{5} \left(\frac{4}{13}x - \frac{10}{7} \right) - 1 \frac{2}{7} \left(6 \frac{1}{2}x + 1 \right) = -\frac{31}{7}$$

$$522) -1 \frac{7}{10} \left(-11k - \frac{11}{6} \right) - \frac{3}{8} \left(\frac{1}{11}k - 1 \frac{1}{3} \right) = -28 \frac{9067}{14520}$$

$$523) \frac{17}{12} \left(-\frac{1}{2}a + \frac{3}{4} \right) - 2 \left(\frac{7}{13}a + 1 \right) = -2 \frac{1619}{6864}$$

$$524) -2 \left(x - \frac{1}{6} \right) + \frac{1}{2} \left(\frac{5}{7}x + 1 \frac{3}{4} \right) = 3 \frac{269}{312}$$

$$525) -\frac{4}{7} \left(\frac{1}{3}n + \frac{23}{4} \right) + \frac{14}{13} \left(\frac{6}{11}n + 1 \frac{2}{9} \right) = -\frac{15955}{9009}$$

$$526) 5 \frac{1}{6} \left(-3 \frac{1}{4}x + 1 \right) - \frac{21}{11} \left(-\frac{16}{5}x + 1 \frac{6}{11} \right) = -3 \frac{3631}{29040}$$

$$527) -\frac{1}{2}\left(-1\frac{3}{8}x + 1\right) + \frac{125}{12}\left(-\frac{1}{4}x + 1\frac{1}{4}\right) = 6\frac{7}{24}$$

$$528) -1\frac{4}{9}\left(m - \frac{1}{4}\right) - 2\frac{3}{7}\left(6m + \frac{7}{12}\right) = -\frac{7303}{546}$$

$$529) 1\frac{4}{5}\left(-1\frac{1}{2}a - \frac{1}{3}\right) - \frac{1}{4}\left(a + \frac{2}{3}\right) = -4\frac{23}{75}$$

$$530) \frac{45}{8}\left(-2n + 1\frac{3}{4}\right) + \frac{3}{10}\left(n + 1\frac{1}{2}\right) = -11\frac{97}{160}$$

$$531) -2\frac{7}{11}\left(-\frac{20}{11}x - \frac{4}{7}\right) + \frac{11}{12}\left(\frac{41}{14}x - \frac{19}{7}\right) = 8\frac{90053}{142296}$$

$$532) 2\left(\frac{2}{3}b + \frac{5}{9}\right) + 3\frac{3}{7}\left(b + \frac{62}{11}\right) = 52\frac{2}{11}$$

$$533) \frac{29}{8}\left(1\frac{3}{5}r + 6\frac{1}{8}\right) - 2\left(\frac{3}{4}r + 3\frac{11}{12}\right) = 41\frac{361}{2880}$$

$$534) \frac{8}{3}\left(3\frac{3}{7}v - 1\frac{3}{14}\right) + 4\frac{9}{10}\left(\frac{12}{7}v - 1\frac{1}{2}\right) = -24\frac{1307}{2100}$$

$$535) \frac{8}{9}\left(-\frac{19}{10}k - 2\right) - 2\frac{1}{2}\left(\frac{17}{6}k + \frac{4}{5}\right) = -3\frac{7}{9}$$

$$536) -\frac{7}{5}\left(m - 3\frac{2}{5}\right) + 1\frac{8}{9}\left(\frac{5}{12}m - \frac{2}{3}\right) = 4\frac{89}{2400}$$

$$537) -2\left(2\frac{5}{6}a + 4\frac{2}{3}\right) + 1\frac{1}{11}\left(11a + 1\frac{1}{5}\right) = -90\frac{59}{165}$$

$$538) 1\frac{1}{13}\left(n + \frac{37}{10}\right) + 4\frac{3}{11}\left(-3\frac{6}{11}n + 1\right) = 48\frac{25468}{55055}$$

$$539) 6\frac{2}{5}\left(4\frac{3}{5}n - 1\frac{2}{3}\right) + \frac{43}{3}\left(\frac{25}{4}n + \frac{2}{3}\right) = -60\frac{1121}{1800}$$

$$540) \frac{7}{11}\left(k + 1\frac{5}{6}\right) - 1\frac{3}{10}\left(k + \frac{1}{2}\right) = \frac{1511}{4620}$$

$$541) 3\frac{6}{11}\left(-\frac{11}{4}x - 1\frac{1}{2}\right) - 2\frac{1}{4}\left(x + \frac{4}{5}\right) = -\frac{1443}{110}$$

$$542) \frac{3}{5}\left(p + 1\frac{3}{14}\right) - 2\left(p + \frac{4}{3}\right) = -\frac{199}{42}$$

$$543) -1\frac{9}{13}\left(b - \frac{5}{11}\right) - 2\frac{7}{9}\left(b - 1\frac{2}{13}\right) = -1\frac{979}{1170}$$

$$544) \frac{53}{7}\left(x - 1\frac{1}{6}\right) - \frac{12}{11}\left(-x + \frac{7}{8}\right) = -\frac{10525}{462}$$

$$545) 1\frac{2}{3}\left(1\frac{1}{4}m + 1\frac{1}{2}\right) - \frac{14}{5}\left(13m + 2\frac{3}{10}\right) = -62\frac{269}{350}$$

$$546) \frac{9}{8}\left(\frac{6}{7}b - 12\right) - 5\left(b - \frac{12}{13}\right) = -\frac{72595}{4368}$$

$$547) -\frac{4}{5}\left(x + 4\frac{7}{12}\right) + 1\frac{1}{6}\left(-\frac{1}{7}x + 6\frac{2}{5}\right) = \frac{19}{5}$$

$$548) -\left(\frac{11}{8}x + \frac{19}{14}\right) + 2\left(1\frac{5}{9}x + \frac{3}{2}\right) = -\frac{277}{364}$$

$$549) -\frac{5}{12}\left(a + 4\frac{1}{2}\right) - 1\frac{4}{7}\left(6\frac{1}{2}a + 1\frac{3}{4}\right) = -83\frac{703}{1176}$$

$$550) -11\left(1\frac{1}{6}n + 6\frac{1}{5}\right) - \frac{5}{2}\left(\frac{4}{9}n - 14\frac{8}{11}\right) = -127\frac{1979}{7920}$$

$$551) -\left(14x + 4\frac{1}{2}\right) + 4\frac{5}{6}\left(5\frac{3}{5}x - 2\right) = -11\frac{83}{150}$$

$$552) 2\left(4\frac{5}{6}b + 1\right) + 2\frac{3}{11}\left(7\frac{3}{4}b + 7\frac{5}{8}\right) = 62\frac{367}{1848}$$

$$553) 6\frac{4}{5}\left(-1\frac{4}{5}b + 1\right) - \left(\frac{6}{5}b - 2\right) = -\frac{508}{25}$$

$$554) \frac{39}{7}\left(\frac{1}{6}x + 1\right) + 3\frac{2}{7}\left(1\frac{2}{3}x - 11\right) = -34\frac{11}{546}$$

$$555) \frac{33}{14}\left(-2\frac{3}{7}n + \frac{7}{9}\right) + \frac{9}{14}\left(3\frac{1}{7}n + 1\right) = -4\frac{733}{1176}$$

$$556) -\frac{2}{5}\left(-\frac{21}{13}n - \frac{3}{5}\right) - \frac{43}{13}\left(6\frac{3}{14}n + 5\frac{3}{10}\right) = -\frac{195344}{2275}$$

$$557) -2\frac{7}{8}\left(1\frac{7}{11}x + 1\right) + \frac{8}{5}\left(x + 2\frac{1}{7}\right) = \frac{8191}{6160}$$

$$558) -2\frac{11}{12}\left(-\frac{10}{11}x + \frac{55}{7}\right) - 2\left(6\frac{3}{5}x + \frac{1}{2}\right) = -\frac{2941}{220}$$

$$559) 7\frac{7}{9}\left(6\frac{1}{6}m + 9\right) - \frac{4}{5}\left(4\frac{2}{7}m - 3\right) = -16\frac{632}{945}$$

$$560) -2\left(3\frac{10}{11}b + 1\frac{5}{8}\right) + 4\frac{8}{11}\left(-\frac{2}{3}b + \frac{1}{2}\right) = \frac{4589}{132}$$

$$561) \frac{4}{13}\left(\frac{31}{9}v - \frac{7}{12}\right) + \frac{8}{9}\left(3\frac{1}{10}v - 1\frac{5}{12}\right) = -\frac{15917}{1755}$$

$$562) \frac{61}{10}\left(r + \frac{3}{4}\right) + 12\left(r + 5\frac{1}{14}\right) = \frac{2021}{210}$$

$$563) -\frac{26}{11}\left(x - 1\frac{11}{12}\right) + 3\left(-3\frac{3}{4}x - \frac{4}{5}\right) = 23\frac{301}{330}$$

$$564) -\frac{8}{5}\left(-1\frac{2}{13}x + 12\frac{3}{10}\right) + 3\frac{3}{5}\left(7\frac{1}{12}x + \frac{31}{9}\right) = -45\frac{367}{650}$$

$$565) -\frac{2}{3}\left(\frac{12}{7}n - \frac{3}{2}\right) + \frac{8}{11}\left(-\frac{19}{6}n + \frac{35}{8}\right) = 8\frac{764}{1155}$$

$$566) -\frac{11}{14}\left(4\frac{9}{14}k + \frac{3}{4}\right) - \left(-1\frac{2}{5}k + 1\frac{3}{10}\right) = -6\frac{151}{392}$$

$$567) 7\frac{4}{7}\left(x + \frac{1}{10}\right) + 4\frac{1}{7}\left(-2\frac{7}{8}x + 3\frac{1}{12}\right) = 6\frac{251}{840}$$

$$568) 1\frac{1}{2}\left(\frac{14}{11}b - 1\frac{1}{5}\right) + 1\frac{11}{14}\left(13\frac{3}{7}b + 1\right) = -86\frac{34949}{37730}$$

$$569) \frac{10}{9}\left(\frac{5}{4}a + 14\right) + \frac{3}{5}\left(\frac{5}{9}a - 1\right) = \frac{6991}{540}$$

$$570) 5\frac{1}{6}\left(r + \frac{103}{14}\right) + 2\frac{3}{4}\left(4\frac{9}{14}r - \frac{45}{14}\right) = -39\frac{83}{144}$$

$$571) \frac{25}{6}\left(4\frac{5}{13}b + \frac{1}{4}\right) + \frac{1}{2}\left(-1\frac{5}{9}b + 1\right) = \frac{17815}{936}$$

$$572) -1\frac{4}{5}\left(x + 7\frac{13}{14}\right) + \frac{7}{4}\left(x + 4\frac{11}{12}\right) = -5\frac{571}{840}$$

$$573) -\frac{1}{2}\left(-\frac{1}{2}v + \frac{1}{5}\right) - 11\frac{1}{2}\left(2\frac{5}{12}v + \frac{8}{7}\right) = -44\frac{509}{2240}$$

$$574) -\frac{8}{9}\left(n + 1\frac{7}{13}\right) + \frac{3}{2}\left(-1\frac{3}{10}n + 1\right) = \frac{115721}{21060}$$

$$575) -2\frac{10}{11}\left(-\frac{31}{8}n + \frac{8}{9}\right) + \frac{23}{8}\left(5n + \frac{51}{10}\right) = \frac{1985609}{15840}$$

$$576) -1\frac{5}{6}\left(\frac{11}{2}v + 5\frac{5}{13}\right) + 1\frac{1}{2}\left(1\frac{1}{2}v + \frac{8}{13}\right) = -63\frac{10}{143}$$

$$577) -1\frac{2}{3}\left(-\frac{4}{13}n - 1\frac{1}{6}\right) - 2\left(n + 1\frac{1}{3}\right) = 1\frac{74}{117}$$

$$578) \frac{1}{3}\left(x + 2\frac{9}{14}\right) + 5\frac{3}{4}\left(x - 1\frac{2}{3}\right) = 21\frac{89}{840}$$

$$579) \frac{27}{14}\left(\frac{43}{12}x + 1\right) - \left(\frac{5}{7}x - 1\right) = 9\frac{205}{252}$$

$$580) -10\left(2\frac{5}{8}x - \frac{5}{13}\right) + \frac{75}{14}\left(\frac{1}{3}x + 1\frac{11}{14}\right) = 25\frac{3285}{5096}$$

$$581) -\frac{2}{3}\left(a - \frac{7}{10}\right) + 3\frac{1}{6}\left(\frac{38}{5}a + 7\frac{5}{13}\right) = 20\frac{694}{1365}$$

$$582) -\frac{17}{6}\left(-1\frac{1}{6}n+7\right)+7\frac{5}{7}\left(-13\frac{4}{13}n+\frac{13}{8}\right)=-53\frac{725}{4732}$$

$$583) \frac{7}{8}\left(\frac{1}{9}x+14\right)+7\frac{1}{13}\left(-3\frac{1}{6}x+\frac{25}{8}\right)=\frac{43}{48}$$

$$584) 5\frac{5}{6}\left(6\frac{5}{8}x+3\frac{9}{10}\right)+\frac{1}{2}\left(2\frac{1}{14}x+6\right)=35\frac{901}{1344}$$

$$585) -3\frac{1}{12}\left(-\frac{3}{4}p+6\frac{10}{11}\right)-1\frac{1}{2}\left(\frac{3}{4}p+6\frac{1}{2}\right)=-29\frac{1775}{4224}$$

$$586) 1\frac{10}{13}\left(-\frac{8}{3}x+1\right)+\frac{4}{13}\left(-\frac{2}{3}x+1\right)=-6\frac{79}{117}$$

$$587) -2\frac{1}{9}\left(-3\frac{1}{4}p+1\right)-1\frac{2}{13}\left(p-\frac{29}{11}\right)=7\frac{5327}{5577}$$

$$588) -10\left(n-1\frac{8}{9}\right)+7\frac{1}{8}\left(\frac{67}{9}n-1\frac{1}{7}\right)=-86\frac{197}{2016}$$

$$589) -1\frac{6}{7}\left(\frac{38}{11}n+4\frac{2}{9}\right)-11\left(6\frac{10}{11}n+1\frac{11}{14}\right)=-\frac{11560}{99}$$

$$590) 1\frac{8}{11}\left(-\frac{16}{5}b-2\right)+2\left(7\frac{1}{2}b-\frac{2}{3}\right)=-\frac{11009}{1320}$$

$$591) -\frac{22}{7}\left(-\frac{4}{11}b-1\frac{10}{11}\right)+\frac{3}{5}\left(1\frac{2}{3}b+2\frac{3}{10}\right)=5\frac{104}{175}$$

$$592) -1\frac{4}{5}\left(1\frac{1}{3}k+1\right)+\frac{5}{8}\left(-3\frac{5}{12}k+\frac{2}{3}\right)=\frac{19963}{2880}$$

$$593) \frac{61}{14}\left(\frac{9}{11}m-2\frac{5}{13}\right)+\frac{5}{7}\left(-\frac{4}{3}m+\frac{5}{4}\right)=4\frac{26231}{84084}$$

$$594) \frac{2}{13}\left(-1\frac{9}{10}p-\frac{3}{8}\right)+\frac{1}{3}\left(\frac{4}{7}p+\frac{17}{3}\right)=2\frac{1187}{81900}$$

$$595) 2\frac{5}{6}\left(\frac{27}{7}x+12\right)+1\frac{9}{13}\left(x-1\frac{2}{3}\right)=70\frac{205}{2184}$$

$$596) 5\frac{3}{4}\left(-\frac{11}{3}x+2\frac{3}{10}\right)-2\frac{1}{2}\left(\frac{1}{3}x+\frac{1}{7}\right)=36\frac{41}{42}$$

$$597) -1\frac{1}{2}\left(-2x-3\frac{7}{10}\right)+\frac{6}{7}\left(\frac{2}{3}x+1\right)=-\frac{8339}{1820}$$

$$598) 4\frac{8}{11}\left(\frac{23}{12}m-2\right)+4\frac{1}{4}\left(m-1\frac{7}{8}\right)=-1\frac{793}{1760}$$

$$599) -\frac{6}{7}\left(x-1\frac{1}{5}\right)+7\frac{1}{2}\left(x+5\frac{1}{2}\right)=\frac{54627}{1820}$$

$$600) -3\frac{5}{9}\left(\frac{5}{6}a+1\right)+1\frac{1}{3}\left(a+7\frac{6}{7}\right)=5\frac{55}{189}$$

$$601) 3\frac{19}{24}\left(3\frac{7}{10}x+1\right)+\frac{49}{39}\left(-\frac{12}{23}x+1\right)=-\frac{290547}{23920}$$

$$602) 8\frac{5}{7}\left(-\frac{8}{25}a+\frac{341}{24}\right)-\frac{16}{25}\left(-\frac{1}{20}a+\frac{16}{17}\right)=\frac{5182619}{51000}$$

$$603) \frac{498027}{51680}=\frac{10}{17}\left(\frac{3}{25}x+\frac{393}{38}\right)-\frac{9}{34}\left(-\frac{12}{11}x-2\frac{13}{16}\right)$$

$$604) -\frac{25}{14}\left(7\frac{31}{34}x-37\right)-\frac{32}{17}\left(-1\frac{22}{29}x+11\frac{35}{38}\right)=-70\frac{378445}{599488}$$

$$605) \frac{11}{24}\left(\frac{1}{3}x+19\right)+\frac{365}{33}\left(x+\frac{21}{2}\right)=92\frac{19835}{30888}$$

$$606) \frac{1430503181}{38966720}=-3\frac{17}{32}\left(7\frac{6}{17}x+\frac{1}{29}\right)-\frac{19}{26}\left(-1\frac{1}{5}x+1\right)$$

$$607) 134\frac{86993}{212976}=-1\frac{17}{36}\left(12n+7\frac{4}{17}\right)+4\frac{5}{12}\left(9n+\frac{14}{29}\right)$$

$$608) -20\frac{330}{833}=-25\frac{2}{7}\left(\frac{17}{3}x+\frac{11}{21}\right)+12\frac{6}{11}\left(\frac{433}{23}x+26\right)$$

$$609) \frac{1698729}{741520}=\frac{15}{23}\left(v+\frac{194}{13}\right)-\frac{7}{8}\left(\frac{4}{31}v+10\frac{8}{15}\right) \quad 610) 35\left(\frac{581}{32}k-\frac{1}{4}\right)+2\left(k-\frac{13}{20}\right)=\frac{276237}{2960}$$

$$611) \frac{137}{16}\left(a+9\frac{1}{11}\right)+8\left(a-1\frac{17}{33}\right)=\frac{233875}{4224}$$

$$612) 134\frac{4067887}{6996080}=8\frac{24}{31}\left(15\frac{17}{20}b+1\frac{9}{31}\right)+10\frac{1}{14}\left(b-\frac{7}{24}\right)$$

$$613) -11 \frac{183929}{480480} = 1 \frac{5}{28} \left(1 \frac{23}{39} p - \frac{9}{8} \right) - 7 \left(6 \frac{9}{11} p + 1 \right)$$

$$614) - \frac{21710499}{2693600} = 15 \frac{26}{35} \left(x + \frac{23}{26} \right) - \frac{9}{25} \left(7 \frac{17}{37} x + 1 \right)$$

$$615) - \frac{23}{28} \left(\frac{5}{16} x - 1 \frac{33}{35} \right) + \frac{27}{28} \left(\frac{4}{21} x + \frac{3}{7} \right) = \frac{35479}{39200}$$

$$616) 1 \frac{5}{39} \left(n + 2 \frac{8}{15} \right) + 1 \frac{9}{17} \left(2 \frac{4}{13} n + 13 \frac{26}{27} \right) = \frac{629762}{29835}$$

$$617) 19 \frac{12}{37} \left(-\frac{9}{20} r + 15 \right) + \frac{3}{11} \left(1 \frac{3}{5} r + \frac{29}{30} \right) = 263 \frac{121729}{309320}$$

$$618) \frac{52587002}{213675} = \frac{658}{37} \left(14 \frac{2}{3} n + \frac{58}{33} \right) + \frac{204}{35} \left(\frac{26}{37} n - 12 \right)$$

$$619) \frac{4}{7} \left(\frac{1}{4} a + \frac{3}{4} \right) + 14 \frac{6}{11} \left(a + \frac{2}{3} \right) = 64 \frac{5527}{7392}$$

$$620) 14 \frac{4}{13} \left(k + 16 \frac{23}{36} \right) + \frac{5}{3} \left(k - \frac{65}{34} \right) = 227 \frac{346}{561}$$

$$621) 24 \frac{5023}{14400} = -2 \left(19 \frac{5}{12} x + \frac{133}{9} \right) + 14 \frac{17}{40} \left(\frac{3}{5} x + 6 \frac{7}{8} \right)$$

$$622) \frac{60979853}{347130} = 15 \frac{10}{29} \left(-1 \frac{19}{35} x + 12 \frac{5}{38} \right) + 13 \frac{3}{20} \left(-1 \frac{7}{36} x - \frac{51}{38} \right)$$

$$623) 1 \frac{16}{37} \left(k - \frac{1}{13} \right) + 1 \frac{13}{40} \left(k + \frac{319}{18} \right) = \frac{172887113}{6580080}$$

$$624) -122 \frac{9721}{16632} = 6 \frac{20}{27} \left(3 \frac{10}{13} b - 17 \right) - \frac{3}{2} \left(b + \frac{683}{33} \right)$$

$$625) 9 \frac{19}{22} \left(4 \frac{19}{40} v + 6 \frac{1}{10} \right) + 9 \frac{1}{9} \left(\frac{3}{16} v + 7 \frac{1}{17} \right) = 80 \frac{586103}{1077120}$$

$$626) \frac{307}{17} \left(17 \frac{8}{13} n + 1 \right) - \frac{74}{21} \left(9 \frac{4}{9} n + \frac{1}{7} \right) = -5 \frac{1689928}{7309575}$$

$$627) 2 \frac{4}{403} = 1 \frac{5}{12} \left(20 \frac{19}{30} n + \frac{12}{31} \right) + 1 \frac{6}{13} \left(1 \frac{1}{6} n + 1 \right)$$

$$628) 110 \frac{23901}{38038} = 4 \frac{5}{7} \left(m + \frac{710}{39} \right) + \frac{2}{3} \left(\frac{174}{11} m + \frac{689}{38} \right)$$

$$629) \frac{1}{2} \left(-\frac{1}{20} k + 8 \frac{1}{16} \right) + \frac{60}{29} \left(\frac{11}{15} k + \frac{41}{38} \right) = 6 \frac{144777}{299744}$$

$$630) \frac{25}{28} \left(\frac{383}{26} n - \frac{1}{2} \right) + \frac{397}{36} \left(1 \frac{2}{11} n + 20 \frac{1}{30} \right) = 223 \frac{174431}{180180}$$

$$631) -2 \frac{3}{32} \left(n - \frac{10}{11} \right) + \frac{8}{15} \left(\frac{1}{3} n + 7 \frac{7}{10} \right) = -\frac{11818549}{356400}$$

$$632) 3 \frac{2}{21} \left(1 \frac{1}{4} a + 18 \frac{4}{5} \right) + 14 \frac{9}{16} \left(a + \frac{51}{8} \right) = 161 \frac{11871}{17024}$$

$$633) 44 \frac{33007}{748000} = 2 \frac{1}{25} \left(m + \frac{215}{16} \right) - \frac{7}{20} \left(-\frac{19}{11} m + \frac{56}{17} \right)$$

$$634) -182 \frac{4849}{7980} = -26 \left(-1 \frac{3}{19} r + 14 \frac{17}{24} \right) + 22 \left(r + 5 \frac{11}{35} \right)$$

$$635) 102 \frac{222267}{911680} = 27 \left(6x + \frac{30}{37} \right) + 1 \frac{9}{10} \left(12 \frac{3}{28} x - \frac{63}{32} \right)$$

$$636) \frac{1849793}{37536} = -1 \frac{3}{23} \left(6 \frac{7}{12} m - 39 \right) + \frac{29}{16} \left(m + \frac{5}{2} \right)$$

$$637) -\frac{35}{18} \left(\frac{16}{15} p + 29 \frac{1}{32} \right) + \frac{10}{11} \left(1 \frac{1}{23} p + 14 \frac{1}{4} \right) = -\frac{2972297}{57024}$$

$$638) -\frac{14420073}{492745} = -\frac{8}{31}\left(7\frac{31}{34}p - 9\right) + \frac{2}{15}\left(p - \frac{7}{22}\right)$$

$$639) \frac{10}{21}\left(\frac{43}{6}p + \frac{85}{16}\right) - \frac{1}{2}\left(-1\frac{6}{19}p + \frac{575}{33}\right) = 48\frac{1977389}{2844072}$$

$$640) 12\frac{1}{30}\left(\frac{1}{8}x + \frac{199}{12}\right) - \frac{2}{9}\left(19x - \frac{1}{17}\right) = 200\frac{14783}{195840}$$

$$641) \frac{25}{32}\left(\frac{585}{37}a - 1\frac{1}{2}\right) + \frac{47}{34}\left(a + 9\frac{11}{35}\right) = 39\frac{3495119}{4226880}$$

$$642) 3\frac{25}{26}\left(\frac{103}{6}m + 1\right) - \frac{2}{9}\left(\frac{18}{25}m + 1\frac{1}{7}\right) = 388\frac{13969}{81900}$$

$$643) 1\frac{7}{36}\left(-\frac{4}{25}x + \frac{28}{29}\right) - \frac{2}{3}\left(-\frac{11}{12}x + 1\right) = 7\frac{3641}{13050}$$

$$644) -\frac{5228737}{62790} = -\frac{1}{2}\left(14\frac{1}{2}n + 1\frac{5}{6}\right) - \frac{56}{23}\left(14\frac{37}{40}n + 5\frac{9}{13}\right)$$

$$645) 4\frac{5}{26}\left(4\frac{13}{28}b + 1\frac{10}{13}\right) + 20\frac{1}{4}\left(\frac{6}{29}b + 1\frac{5}{7}\right) = \frac{147965801}{378560}$$

$$646) 84\frac{146}{10125} = -1\frac{9}{25}\left(1\frac{4}{21}p + \frac{6}{5}\right) + 4\frac{13}{25}\left(1\frac{7}{18}p + \frac{359}{28}\right)$$

$$647) 18\frac{1}{3}\left(\frac{4}{5}p + \frac{55}{3}\right) + 6\frac{7}{30}\left(p + \frac{33}{7}\right) = 319\frac{2431}{2520}$$

$$648) -\frac{82840784}{651015} = -\frac{50}{17}\left(13\frac{29}{36}x + 17\frac{12}{35}\right) - \frac{1}{10}\left(2\frac{20}{37}x - \frac{31}{21}\right)$$

$$649) \frac{5}{9}\left(-\frac{3}{2}x + 1\right) + 17\frac{5}{18}\left(x - 1\frac{12}{25}\right) = 52\frac{859}{5850}$$

$$650) -28 \frac{1663271}{2256852} = 10 \frac{32}{37} \left(2 \frac{1}{34} n + \frac{1}{4} \right) + 19 \frac{1}{36} \left(2n + 3 \frac{2}{13} \right)$$

$$651) \frac{125}{8} \left(30p - \frac{3}{17} \right) - 1 \frac{2}{9} \left(p + \frac{32}{21} \right) = 37 \frac{249589}{282744} \quad 652) \frac{271253}{121550} = \frac{1}{2} \left(\frac{3}{17} r + 2 \frac{5}{11} \right) + \frac{7}{5} \left(-\frac{19}{10} r + 1 \right)$$

$$653) -34 \frac{27614447}{49598120} = \frac{27}{40} \left(-\frac{7}{13} x + 1 \frac{18}{29} \right) + \frac{181}{22} \left(1 \frac{1}{3} x + 18 \frac{21}{23} \right)$$

$$654) -2 \frac{27}{38} \left(-1 \frac{1}{19} a + 6 \frac{1}{11} \right) - 1 \frac{5}{16} \left(\frac{279}{38} a + \frac{146}{9} \right) = -\frac{113802617}{2668512}$$

$$655) 111 \frac{459}{784} = 1 \frac{2}{7} \left(n + \frac{23}{16} \right) + \frac{241}{28} \left(17n + \frac{1}{2} \right) \quad 656) -35 \frac{18164}{55055} = -\frac{87}{22} \left(m - \frac{41}{26} \right) - \frac{3}{4} \left(1 \frac{1}{5} m + 1 \frac{2}{7} \right)$$

$$657) -311 \frac{141897}{395200} = 10 \frac{29}{38} \left(1 \frac{10}{17} r + \frac{39}{25} \right) - \frac{27}{34} \left(\frac{8}{19} r - \frac{9}{13} \right)$$

$$658) -\frac{4}{23} \left(-\frac{35}{39} x - 2 \frac{3}{28} \right) - 3 \frac{14}{29} \left(x + \frac{7}{10} \right) = 1 \frac{1330087}{1820910}$$

$$659) 10 \frac{5}{22} \left(14 \frac{37}{40} n + 18 \right) + \frac{99}{19} \left(\frac{15}{8} n + \frac{309}{22} \right) = \frac{1660311}{6688}$$

$$660) \frac{1}{2} \left(10a + 10 \frac{7}{11} \right) + \frac{2}{9} \left(a + 17 \frac{5}{16} \right) = \frac{55163}{616}$$

$$661) -51 \frac{100977}{142120} = -\frac{15}{22} \left(4 \frac{7}{38} r + 1 \frac{2}{17} \right) - 1 \frac{8}{19} \left(r + 4 \frac{9}{20} \right)$$

$$662) \frac{3}{2} \left(-1 \frac{4}{5} a + 16 \frac{6}{7} \right) + 6 \frac{13}{19} \left(-\frac{5}{9} a + 1 \right) = -54 \frac{369629}{478800}$$

$$663) 4 \frac{3}{32} \left(-\frac{3}{4} x - \frac{1}{26} \right) + \frac{45}{4} \left(-\frac{3}{8} x - 1 \frac{23}{37} \right) = -18 \frac{297611}{369408}$$

$$664) -2\frac{18}{19}\left(\frac{128}{37}n + \frac{114}{13}\right) + \frac{13}{36}\left(1\frac{2}{5}n + 1\frac{2}{9}\right) = 18\frac{20521261}{74025900}$$

$$665) 20\frac{6}{13}\left(\frac{8}{7}p + 1\right) - \frac{24}{29}\left(p + 19\frac{11}{12}\right) = -74\frac{366}{377}$$

$$666) -111\frac{34053}{40300} = \frac{1}{4}\left(-1\frac{9}{25}n + 1\frac{8}{15}\right) - 26\frac{19}{31}\left(6\frac{29}{30}n - \frac{17}{39}\right)$$

$$667) \frac{27518293}{195300} = -\left(8x + 12\frac{17}{28}\right) + 17\frac{4}{9}\left(\frac{336}{31}x + 15\frac{18}{25}\right)$$

$$668) -244\frac{34963}{56784} = 29\left(7\frac{13}{14}b + \frac{1}{14}\right) + \frac{131}{26}\left(4\frac{10}{39}b + 7\frac{1}{6}\right)$$

$$669) 21\frac{609757}{2983500} = \frac{79}{10}\left(-1\frac{17}{36}k + 1\frac{12}{25}\right) - \frac{53}{34}\left(k - \frac{6}{13}\right)$$

$$670) 174\frac{267583}{342720} = \frac{1}{8}\left(k + 3\frac{11}{36}\right) + 14\frac{15}{34}\left(k + 3\frac{29}{35}\right)$$

$$671) -102\frac{174193}{208845} = 7\frac{9}{17}\left(-1\frac{17}{28}a + \frac{9}{13}\right) + 4\frac{13}{30}\left(16\frac{13}{21}a - \frac{11}{9}\right)$$

$$672) \frac{1037}{16368} = -\frac{7}{31}\left(v + 18\frac{5}{16}\right) + 9\frac{11}{15}\left(-\frac{10}{11}v + 1\frac{4}{11}\right)$$

$$673) 36\frac{849}{1700} = 1\frac{2}{11}\left(12\frac{6}{17}r + 16\frac{4}{17}\right) + \frac{1}{5}\left(-\frac{162}{5}r + 7\frac{10}{11}\right)$$

$$674) 14\frac{7}{8}\left(-2x + 10\frac{5}{11}\right) + 1\frac{4}{5}\left(x + \frac{13}{36}\right) = 194\frac{1619}{7920}$$

$$675) -\frac{9}{16}\left(1\frac{2}{7}b + 1\right) + 6\frac{27}{35}\left(b + \frac{26}{31}\right) = \frac{831567}{347200}$$

$$676) 60 \frac{6619}{15950} = 12 \frac{2}{5} \left(\frac{1}{9}x + \frac{3}{4} \right) + 13 \frac{15}{22} \left(-1 \frac{18}{29}x + 1 \right)$$

$$677) -1 \frac{14}{15} \left(3 \frac{3}{4}a + \frac{2}{3} \right) + \frac{539}{34} \left(1 \frac{1}{30}a + \frac{109}{9} \right) = \frac{176133}{1088}$$

$$678) \frac{7}{15} \left(v + 5 \frac{3}{14} \right) + \frac{1}{2} \left(10 \frac{3}{17}v + 1 \right) = 8 \frac{1151}{8160}$$

$$679) -177 \frac{767579}{1611090} = -1 \frac{31}{36} \left(16 \frac{11}{39}v + 1 \right) - \frac{4}{9} \left(1 \frac{27}{34}v + 8 \frac{39}{40} \right)$$

$$680) 228 \frac{1471461}{2894080} = \frac{317}{28} \left(n + 1 \frac{9}{34} \right) + 4 \frac{17}{32} \left(n - 1 \frac{17}{38} \right)$$

$$681) \frac{389}{24} \left(b - \frac{2}{3} \right) + 20 \frac{1}{12} \left(-\frac{13}{31}b + 19 \frac{23}{34} \right) = 380 \frac{35699}{75888}$$

$$682) -282 \frac{21637}{33150} = \frac{1}{2} \left(\frac{4}{3}v + 6 \frac{1}{25} \right) + 19 \frac{2}{13} \left(-3 \frac{5}{12}v + 1 \right)$$

$$683) \frac{1884660193}{162873396} = -\frac{23}{14} \left(-\frac{6}{7}p - 1 \frac{10}{29} \right) + 11 \frac{6}{23} \left(3 \frac{31}{38}p + \frac{5}{27} \right)$$

$$684) -5 \frac{1027533}{12397000} = \frac{11}{14} \left(\frac{185}{23}a + \frac{333}{28} \right) + 2 \frac{14}{25} \left(\frac{1}{2}a + 16 \frac{7}{25} \right)$$

$$685) -\frac{3790943}{44640} = -1 \frac{17}{31} \left(-\frac{1}{2}x + 12 \frac{1}{24} \right) + \frac{115}{9} \left(\frac{329}{16}x + 1 \right)$$

$$686) -1 \frac{9}{20} \left(1 \frac{1}{2}x + 6 \frac{17}{18} \right) + \frac{451}{24} \left(x + 5 \frac{1}{6} \right) = 326 \frac{3077}{3600}$$

$$687) -73 \frac{571456}{990675} = 2 \left(\frac{335}{37}r + \frac{314}{21} \right) - \frac{334}{15} \left(r + 3 \frac{5}{34} \right)$$

$$688) 321 \frac{313}{400} = -3 \frac{1}{40} \left(\frac{98}{5}n + 9 \frac{3}{10} \right) + 27 \frac{1}{2} \left(-\frac{1}{4}n + 10 \frac{7}{22} \right)$$

$$689) 106 \frac{11087}{13464} = -1 \frac{10}{11} \left(6 \frac{13}{18}x + \frac{1}{8} \right) + 17 \frac{3}{17} \left(\frac{139}{15}x + 1 \frac{1}{2} \right)$$

$$690) 1 \frac{3}{5} \left(12 \frac{5}{26}n + 13 \frac{29}{38} \right) + \frac{115}{17} \left(-\frac{21}{13}n - \frac{8}{19} \right) = 46 \frac{7671}{92378}$$

$$691) -342 \frac{13544}{15249} = 16 \frac{15}{26} \left(17 \frac{3}{23}b + 1 \right) + \frac{32}{3} \left(\frac{395}{34}b - 1 \frac{5}{6} \right)$$

$$692) 152 \frac{4523}{11440} = 9 \frac{6}{11} \left(k - \frac{2}{5} \right) + 1 \frac{5}{24} \left(\frac{7}{11}k + \frac{121}{26} \right)$$

$$693) -1 \frac{1}{4} \left(\frac{809}{39}x + \frac{5}{16} \right) - 1 \frac{5}{8} \left(x + 13 \frac{1}{9} \right) = -21 \frac{401}{576}$$

$$694) -\frac{6}{7} \left(4 \frac{19}{21}m + 1 \frac{13}{30} \right) + 1 \frac{5}{18} \left(1 \frac{17}{30}m + 1 \right) = -45 \frac{47359}{88200}$$

$$695) -1 \frac{4}{9} \left(n - 1 \frac{1}{7} \right) - 1 \frac{1}{2} \left(\frac{72}{5}n + \frac{27}{22} \right) = -14 \frac{1163}{69300}$$

$$696) -\frac{147983571}{1016600} = -\frac{1081}{34} \left(\frac{18}{25}p + 3 \right) - \frac{12}{13} \left(p + \frac{627}{32} \right)$$

$$697) 10 \frac{3}{32} \left(-2b + 1 \frac{16}{39} \right) + 10 \frac{1}{20} \left(-b + 19 \frac{1}{2} \right) = 246 \frac{15437}{31200}$$

$$698) 39 \frac{45}{56} = 2 \frac{31}{40} \left(n + 17 \frac{1}{4} \right) + 4 \frac{3}{5} \left(20 \frac{5}{14}n - 3 \frac{1}{2} \right) \quad 699) 9 \frac{3}{8} \left(\frac{13}{14}x + 1 \right) - 2 \frac{17}{21} \left(x + 24 \frac{11}{32} \right) = -259 \frac{107}{224}$$

$$700) -1 \frac{3583}{18720} = -26 \frac{4}{9} \left(17 \frac{29}{34}r + 1 \right) - 3 \frac{29}{30} \left(-\frac{1}{7}r + \frac{207}{13} \right)$$

$$701) 27 \frac{16}{55} \left(13 \frac{61}{70} r - \frac{61}{99} \right) - 1 \frac{7}{47} \left(r + 28 \frac{50}{51} \right) = - \frac{1700667}{140184550}$$

$$702) - \frac{14}{97} \left(20 \frac{29}{48} p + 1 \right) + \frac{31}{20} \left(- \frac{9}{43} p - 1 \frac{17}{27} \right) = -8 \frac{2534479}{2723760}$$

$$703) -64 \frac{2086727}{29189300} = - \frac{3}{25} \left(-46 \frac{7}{92} n + 4 \frac{23}{74} \right) + 13 \frac{2}{49} \left(6 \frac{7}{75} n - 3 \frac{19}{90} \right)$$

$$704) - \frac{55716817}{1060752} = \frac{29}{66} \left(16 \frac{11}{28} n + 1 \right) + 1 \frac{37}{98} \left(\frac{3453}{82} n + 1 \right)$$

$$705) \frac{2783}{100} \left(100k + \frac{129}{5} \right) + \frac{119}{27} \left(k + 36 \frac{37}{40} \right) = -977 \frac{41641}{81000}$$

$$706) \frac{667482661}{1346609360} = 3 \frac{31}{44} \left(\frac{1013}{66} x + \frac{7}{92} \right) + 25 \frac{1}{97} \left(x + \frac{25}{26} \right)$$

$$707) 21 \frac{55}{92} \left(\frac{2229}{68} x + 17 \frac{91}{95} \right) + \frac{17}{78} \left(- \frac{43}{56} x + 3 \right) = 9 \frac{5061297}{5408312}$$

$$708) 137 \frac{294723}{1640675} = -75 \left(n - \frac{9}{31} \right) - 1 \frac{15}{73} \left(2n + \frac{417}{50} \right)$$

$$709) \frac{241371038}{1250865} = 38 \frac{27}{28} \left(- \frac{44}{65} n - 1 \frac{6}{11} \right) - \frac{109}{57} \left(- \frac{5}{24} n + \frac{33}{70} \right)$$

$$710) - \frac{2273477}{1429560} = - \frac{1}{19} \left(\frac{3409}{95} x + 31 \frac{25}{36} \right) + 2 \frac{5}{76} \left(11 \frac{1}{2} x + 1 \right)$$

$$711) 88 \left(- \frac{61}{33} k + 1 \right) - \frac{1}{10} \left(\frac{19}{13} k + 1 \right) = -161 \frac{3613}{16185} \quad 712) \frac{2}{9} \left(15 \frac{1}{14} v + 1 \right) + \frac{23}{27} \left(v + 9 \frac{25}{66} \right) = \frac{461441}{33858}$$

$$713) \frac{48}{47} \left(\frac{537}{97} v + 80 \right) - 1 \frac{2}{3} \left(\frac{19}{71} v + 23 \frac{4}{9} \right) = \frac{122712409}{2522772}$$

$$714) -\frac{189033703}{440109600} = \frac{3}{7}\left(45\frac{1}{67}k + \frac{248}{75}\right) + 43\frac{11}{68}\left(1\frac{35}{92}k + 22\frac{53}{90}\right)$$

$$715) -29\frac{42047}{132124} = 50\left(33\frac{34}{67}x - 93\right) + \frac{2264}{51}\left(\frac{1169}{72}x + \frac{19}{29}\right)$$

$$716) 2\frac{556897083}{727792192} = \frac{6}{47}\left(x + 11\frac{30}{61}\right) + 19\frac{11}{72}\left(11\frac{17}{66}x - 80\frac{56}{95}\right)$$

$$717) -\frac{43}{37}\left(20\frac{15}{26}m + 34\frac{23}{26}\right) + \frac{22}{57}\left(2\frac{27}{55}m + 44\frac{23}{42}\right) = -\frac{1308271283}{33393906}$$

$$718) -\frac{4}{3}\left(46\frac{5}{27}n + 41\frac{14}{87}\right) - \frac{2}{7}\left(n - 1\frac{5}{7}\right) = 56\frac{1373}{16443}$$

$$719) -5\frac{240139}{1026950} = \frac{2}{19}\left(\frac{3}{40}v + \frac{223}{56}\right) + 4\frac{27}{94}\left(\frac{2219}{100}v - \frac{12}{23}\right)$$

$$720) \frac{1727}{83}\left(\frac{2}{5}a + 18\frac{5}{13}\right) - 1\frac{23}{60}\left(-\frac{114}{29}a + \frac{2}{21}\right) = \frac{415564433}{19713330}$$

$$721) -\frac{1775410453}{20093766} = -\frac{20}{21}\left(\frac{1}{11}p - 1\frac{9}{31}\right) - 1\frac{32}{77}\left(34\frac{31}{61}p + 1\frac{41}{62}\right)$$

$$722) -\frac{693755838}{34845695} = -1\frac{10}{67}\left(m + 23\frac{11}{86}\right) + 32\frac{4}{59}\left(8\frac{21}{82}m + 1\right)$$

$$723) -1\frac{504149183}{909879698} = -92\left(9\frac{49}{52}p + 5\frac{43}{67}\right) - \frac{3}{7}\left(-1\frac{49}{58}p + \frac{39}{62}\right)$$

$$724) -80\frac{127883}{229680} = 46\frac{13}{20}\left(-1\frac{1}{12}k + 32\frac{9}{58}\right) - 28\left(\frac{11}{14}k + 1\right)$$

$$725) -\frac{10017233}{58320} = \frac{1493}{30}\left(-1\frac{4}{9}b + \frac{17}{50}\right) + 31\frac{17}{48}\left(b + \frac{1466}{43}\right)$$

$$726) \frac{4129}{86} \left(9 \frac{17}{62} x + \frac{54}{59} \right) + \frac{51}{46} \left(\frac{1}{2} x + 1 \right) = \frac{71014194}{45222025}$$

$$727) -74 \frac{961243}{3356160} = -\frac{65}{48} \left(1 \frac{1}{16} x - 1 \frac{6}{13} \right) + \frac{43}{57} \left(-\frac{2}{5} x + 9 \frac{1}{10} \right)$$

$$728) \frac{31}{74} \left(-\frac{1}{8} b - 1 \frac{6}{19} \right) - 1 \frac{44}{93} \left(\frac{14}{15} b - \frac{8}{13} \right) = -\frac{1597851817}{566606576}$$

$$729) \frac{91}{87} \left(\frac{346}{11} p + 37 \frac{53}{72} \right) + 49 \frac{20}{39} \left(51 \frac{71}{91} p + 1 \right) = 13 \frac{63305419}{81513432}$$

$$730) \frac{339}{14} \left(5 \frac{3}{56} k + 2 \frac{37}{89} \right) + \frac{76}{45} \left(1 \frac{7}{47} k + 26 \frac{36}{37} \right) = -\frac{309966919}{354318800}$$

$$731) -12 \frac{37}{70} \left(-1 \frac{2}{3} p + 42 \frac{6}{7} \right) + 15 \frac{19}{20} \left(p + \frac{199}{23} \right) = 698 \frac{200099}{1115730}$$

$$732) 200 \frac{432957}{549524} = 19 \frac{18}{47} \left(2 \frac{4}{17} n - 2 \frac{1}{5} \right) + 44 \frac{29}{80} \left(36 \frac{1}{3} n + 39 \frac{61}{79} \right)$$

$$733) 157 \frac{1030127}{1082400} = -\frac{7}{30} \left(8 \frac{43}{80} k - 1 \frac{9}{40} \right) + \frac{119}{82} \left(38 \frac{38}{55} k + 60 \right)$$

$$734) 2 \frac{13819433}{53135355} = -1 \frac{5}{13} \left(\frac{1319}{70} b + 46 \frac{18}{67} \right) + \frac{1}{5} \left(b + 29 \frac{76}{83} \right)$$

$$735) \frac{37486171}{1417325} = -47 \left(1 \frac{49}{89} r + 1 \right) + \frac{16}{35} \left(28 \frac{5}{12} r + 9 \frac{18}{35} \right)$$

$$736) -\frac{17}{33} \left(m + 50 \frac{11}{20} \right) - 1 \frac{41}{57} \left(22 \frac{14}{57} m - \frac{2}{9} \right) = 51 \frac{1855177}{2144340}$$

$$737) 1 \frac{4}{47} \left(28 \frac{19}{46} x + 46 \frac{37}{85} \right) + \frac{53}{79} \left(\frac{639}{89} x + \frac{29}{80} \right) = \frac{1157683241}{1437311280}$$

$$738) -\frac{8309473}{295152} = -\frac{5}{4}\left(n + \frac{9}{20}\right) - 1\frac{29}{33}\left(7\frac{23}{26}n + 1\frac{37}{43}\right)$$

$$739) -1\frac{3}{10}\left(x + \frac{5}{18}\right) + 45\frac{3}{16}\left(31\frac{3}{4}x - 1\frac{38}{45}\right) = -150\frac{4667}{12384}$$

$$740) -2\left(-1\frac{2}{3}k + \frac{277}{54}\right) - \frac{38}{63}\left(-1\frac{29}{54}k + 1\right) = 107\frac{56524}{100359}$$

$$741) \frac{345}{13}\left(\frac{9}{17}n + 2\frac{1}{33}\right) - \frac{71}{98}\left(1\frac{14}{67}n + \frac{3150}{79}\right) = 1\frac{478933579}{786950642}$$

$$742) -1\frac{685507133}{1291235820} = 16\frac{15}{86}\left(\frac{1644}{71}b + \frac{179}{14}\right) - 1\frac{15}{53}\left(-\frac{4}{19}b + 18\frac{7}{12}\right)$$

$$743) 310\frac{1205821}{5486800} = \frac{7}{6}\left(\frac{33}{86}x + \frac{27}{14}\right) + 40\frac{9}{50}\left(29\frac{1}{8}x + 30\frac{17}{22}\right)$$

$$744) 3\frac{27}{37}\left(16\frac{13}{63}x - 51\frac{11}{28}\right) + \frac{3404}{77}\left(x + 31\frac{49}{60}\right) = -420\frac{317971}{700854}$$

$$745) 24\frac{11}{19}\left(-58\frac{2}{11}p - \frac{4}{11}\right) - 2\frac{5}{6}\left(\frac{1889}{64}p + \frac{21}{67}\right) = -9\frac{101608327}{155937408}$$

$$746) 9\left(1\frac{11}{85}n - \frac{33}{68}\right) + 24\frac{9}{43}\left(16n + \frac{744}{35}\right) = \frac{1447867551}{2558500}$$

$$747) 1\frac{132505}{243672} = 19\frac{17}{30}\left(1\frac{23}{26}n - 2\frac{48}{71}\right) + 39\frac{15}{38}\left(-\frac{3}{11}n + 1\right)$$

$$748) -32\frac{25191}{35525} = -\frac{25}{29}\left(x + 31\frac{4}{49}\right) + 1\frac{39}{49}\left(x - 3\frac{74}{75}\right)$$

$$749) 101\frac{6831589}{19513000} = 42\frac{3}{13}\left(40\frac{18}{19}n + 1\right) + 24\frac{11}{20}\left(7\frac{73}{76}n + 25\frac{37}{100}\right)$$

$$750) -115 \frac{147881}{167475} = -\frac{92}{29} \left(x + 36 \frac{15}{22} \right) + 1 \frac{33}{35} \left(\frac{11}{9} x - \frac{8}{15} \right)$$

$$751) 291 \frac{1160737}{1278225} = 88 \left(27 \frac{8}{23} r - 1 \frac{9}{13} \right) + \frac{2}{5} \left(2 \frac{22}{69} r + 25 \frac{1}{45} \right)$$

$$752) -\frac{144427837}{93654496} = 12 \frac{9}{34} \left(\frac{837}{38} r + \frac{14}{13} \right) + 32 \frac{7}{41} \left(6 \frac{8}{9} r + \frac{23}{96} \right)$$

$$753) \frac{26147509}{42336} = \frac{19}{15} \left(x - \frac{1}{6} \right) + \frac{2495}{84} \left(5 \frac{56}{81} x + \frac{391}{18} \right)$$

$$754) 5 \frac{53}{54} \left(-\frac{5}{32} a + \frac{32}{79} \right) + \frac{17}{44} \left(a - \frac{8}{21} \right) = 3 \frac{1033999}{31534272}$$

$$755) 522 \frac{114449}{123690} = 39 \left(n + 1 \frac{3}{19} \right) + \frac{1405}{38} \left(-1 \frac{8}{9} n + \frac{2931}{62} \right)$$

$$756) 125 \frac{13817}{27170} = \frac{2}{5} \left(1 \frac{29}{52} m + \frac{15}{8} \right) + \frac{4208}{95} \left(m + \frac{57}{44} \right)$$

$$757) 35 \frac{14}{15} \left(\frac{25}{31} m + 58 \right) + 1 \frac{7}{24} \left(m - 1 \frac{6}{7} \right) = 741 \frac{569491}{598920}$$

$$758) -38 \frac{212621}{364000} = -\frac{2}{9} \left(p + 1 \frac{16}{35} \right) + 20 \frac{3}{32} \left(-\frac{2}{25} p + 1 \right)$$

$$759) -64 \left(1 \frac{2}{15} m + 21 \frac{25}{27} \right) + \frac{3869}{77} \left(18 \frac{27}{50} m + \frac{17}{78} \right) = -6 \frac{50274901}{82432350}$$

$$760) 675 \frac{285401}{520429} = \frac{10}{19} \left(x + \frac{453}{26} \right) + \frac{2451}{77} \left(16 \frac{6}{91} x - 1 \frac{12}{91} \right)$$

$$761) -120 \frac{13152371}{14108094} = \frac{269}{45} \left(46 \frac{1}{26} n + \frac{29}{21} \right) + 12 \frac{32}{81} \left(-\frac{1}{3} n + 1 \frac{7}{22} \right)$$

$$762) \frac{987}{38} \left(-\frac{23}{50}x + 25\frac{84}{89} \right) - \frac{3}{4} \left(32\frac{53}{88}x + \frac{3}{7} \right) = 19\frac{22720427}{29947610}$$

$$763) \frac{1313}{34} \left(23\frac{67}{70}r + 1 \right) - \frac{66}{49} \left(\frac{7}{54}r - \frac{1}{13} \right) = 55\frac{1987807}{3118752}$$

$$764) \frac{45958463}{58800} = 7\frac{4}{15} \left(42\frac{13}{42}x + \frac{3643}{80} \right) + \frac{1}{3} \left(25\frac{11}{21}x - 2 \right)$$

$$765) -2 \left(1\frac{3}{8}n + 1 \right) + \frac{19}{22} \left(n + \frac{29}{20} \right) = -\frac{2788179}{18040}$$

$$766) 34\frac{13}{23} \left(\frac{1}{5}x + \frac{162}{97} \right) + 5\frac{5}{32} \left(x + \frac{2766}{55} \right) = \frac{365532921}{1035184}$$

$$767) 48\frac{25}{84} \left(13\frac{17}{86}n + 17\frac{35}{52} \right) + 27\frac{10}{13} \left(n + \frac{2}{17} \right) = 524\frac{128659}{532168}$$

$$768) 1\frac{4}{7} \left(1\frac{1}{2}p + \frac{1902}{53} \right) + 1\frac{29}{56} \left(\frac{14}{15}p + 20\frac{1}{2} \right) = \frac{13756523}{160272}$$

$$769) \frac{45002569}{664392} = \frac{27}{19} \left(n + \frac{666}{31} \right) + \frac{53}{76} \left(\frac{1}{3}n + \frac{5}{3} \right)$$

$$770) 1\frac{4}{5} \left(x - \frac{56}{73} \right) + 13\frac{25}{82} \left(\frac{9}{5}x - \frac{4}{9} \right) = -39\frac{1008121}{3905865}$$

$$771) -\frac{138153}{1786564} = -1\frac{6}{25} \left(\frac{3}{4}n + \frac{765}{62} \right) + \frac{33}{86} \left(-\frac{15}{13}n + \frac{1914}{47} \right)$$

$$772) \frac{179}{32} \left(30\frac{41}{53}r + 1 \right) - 35 \left(\frac{1}{10}r + 46\frac{73}{96} \right) = -\frac{181532321}{239136}$$

$$773) 29 \left(-2n + 1\frac{1}{87} \right) + \frac{765}{44} \left(37\frac{47}{80}n + 42 \right) = -151\frac{3937}{17952}$$

$$774) \frac{37}{48} \left(x + \frac{365}{8} \right) + 47 \frac{39}{70} \left(\frac{3549}{86} x + 1 \right) = 528 \frac{1988373}{2119040}$$

$$775) 549 \frac{102407}{718704} = 7 \frac{13}{32} \left(n + \frac{5}{9} \right) - 70 \frac{37}{46} \left(\frac{1783}{96} n + 1 \frac{3}{31} \right)$$

$$776) \frac{36022795}{24641704} = \frac{3}{10} \left(\frac{483}{34} k + \frac{891}{59} \right) - \frac{23}{15} \left(k + 42 \frac{79}{83} \right)$$

$$777) 3 \frac{7}{12} \left(-\frac{65}{73} r + 1 \right) + 1 \frac{34}{43} \left(-1 \frac{41}{85} r + 1 \right) = \frac{211646081}{100322440}$$

$$778) -\frac{1747983973}{1000170810} = -52 \left(\frac{128}{79} b + \frac{1007}{72} \right) + \frac{19}{94} \left(1 \frac{19}{45} b + 38 \frac{4}{41} \right)$$

$$779) -\frac{91740079}{1423710288} = \frac{9}{83} \left(-33p + \frac{7}{17} \right) + \frac{227}{84} \left(\frac{985}{51} p - 1 \frac{72}{91} \right)$$

$$780) \frac{878}{33} \left(-2k + 47 \frac{11}{29} \right) + \frac{52}{55} \left(26 \frac{20}{63} k + 1 \right) = -6 \frac{90056}{100485}$$

$$781) \frac{4839441}{2200352} = 3 \frac{26}{33} \left(-\frac{123}{94} k + 35 \frac{47}{76} \right) + 15 \frac{37}{92} \left(50 \frac{4}{7} k + \frac{11}{40} \right)$$

$$782) -\frac{70}{73} \left(\frac{4271}{96} n + 1 \frac{19}{48} \right) + 1 \frac{27}{34} \left(\frac{3}{8} n + 47 \frac{1}{96} \right) = 151 \frac{8436491}{9292608}$$

$$783) \frac{43}{30} \left(-1 \frac{4}{27} n + 1 \right) + 3 \frac{17}{19} \left(22 \frac{54}{59} n + 28 \frac{1}{8} \right) = 7 \frac{45749179}{70824780}$$

$$784) 49 \frac{16}{35} \left(\frac{2809}{58} p + \frac{76}{93} \right) + 5 \frac{31}{87} \left(\frac{470}{43} p + 1 \right) = -14 \frac{1462016}{4600183}$$

$$785) -1 \frac{17}{42} \left(\frac{1985}{61} x + \frac{1}{34} \right) + 36 \frac{5}{73} \left(5 \frac{17}{47} x + 54 \right) = -1 \frac{13680221}{20470380}$$

$$786) -\frac{3106469}{3872} = 9\frac{9}{22}\left(28x + 43\frac{11}{16}\right) - 33\left(50\frac{41}{66}x + 35\frac{37}{56}\right)$$

$$787) \frac{997}{71}\left(30\frac{15}{56}b + \frac{1511}{63}\right) + 1\frac{15}{43}\left(b + \frac{377}{23}\right) = 74\frac{1639465}{2527884}$$

$$788) 1\frac{340361}{493830} = 1\frac{29}{59}\left(\frac{26}{27}x + 1\frac{49}{62}\right) + \frac{37}{30}\left(-\frac{8}{9}x - 1\right)$$

$$789) \frac{34}{49}\left(x + \frac{361}{47}\right) + \frac{86}{87}\left(x + 31\frac{8}{75}\right) = -\frac{494197576}{145261725}$$

$$790) 930\frac{188049}{199325} = 44\frac{4}{7}\left(6\frac{71}{75}n + 1\right) + \frac{1451}{35}\left(n + 27\frac{24}{67}\right)$$

$$791) -501\frac{33889}{52155} = -25\left(38\frac{2}{21}n + \frac{8}{19}\right) + \frac{44}{45}\left(-\frac{5}{7}n + \frac{29}{61}\right)$$

$$792) 30\frac{32}{65}\left(n + \frac{36}{77}\right) + 44\frac{2}{3}\left(2n + \frac{1}{2}\right) = 192\frac{27238}{75075}$$

$$793) -\frac{281047653}{1815753656} = \frac{31}{37}\left(9\frac{8}{37}p + 1\frac{11}{46}\right) + \frac{321}{22}\left(30\frac{1}{95}p + \frac{5}{52}\right)$$

$$794) 11\frac{9}{46}\left(46\frac{93}{97}n + \frac{251}{14}\right) - \frac{14}{15}\left(-\frac{37}{45}n + \frac{1}{2}\right) = 200\frac{2467}{9660}$$

$$795) -1\frac{34}{61}\left(\frac{3383}{76}x + \frac{1090}{11}\right) + \frac{4}{33}\left(x + 14\frac{43}{55}\right) = -261\frac{858859}{3100020}$$

$$796) -125\frac{87771}{348502} = \frac{2182}{73}\left(\frac{1323}{44}n + \frac{13}{42}\right) + 1\frac{1}{5}\left(n + 35\frac{11}{13}\right)$$

$$797) \frac{174}{13}\left(21\frac{2}{95}n + 23\frac{4}{95}\right) + \frac{4477}{58}\left(\frac{19}{13}n - 92\right) = -147\frac{2316477}{4584320}$$

$$798) 266 \frac{389191}{7936656} = -41 \left(1 \frac{9}{23} p + 20 \frac{17}{24} \right) + \frac{1291}{79} \left(5 \frac{11}{84} p + \frac{239}{7} \right)$$

$$799) \frac{435100429}{3286976} = 19 \frac{5}{8} \left(\frac{2119}{48} n + 1 \frac{13}{28} \right) + 15 \frac{1}{33} \left(27 \frac{77}{92} n + 1 \right)$$

$$800) -\frac{2957105}{7488} = \frac{13}{20} \left(-1 \frac{13}{18} n + 1 \right) + 18 \frac{1}{4} \left(49 \frac{19}{96} n + 55 \right)$$

Solve multi-step equations - fractions

Find the missing number:

$$1) -3\frac{1}{5}p - 1\frac{1}{5}p = \frac{33}{5}$$

$$\left\{-1\frac{1}{2}\right\}$$

$$2) -1\frac{3}{5}b + 2\frac{3}{4} + 5 = -\frac{1}{4}$$

$$\{5\}$$

$$3) -\frac{1}{4}n + \frac{14}{5} - 1\frac{2}{3} = \frac{17}{240}$$

$$\left\{4\frac{1}{4}\right\}$$

$$4) -3\frac{1}{5}x + 1\frac{2}{5}x = -\frac{27}{10}$$

$$\left\{1\frac{1}{2}\right\}$$

$$5) -3\frac{1}{2}x - 2x = -5\frac{1}{2}$$

$$\{1\}$$

$$6) 2\frac{2}{3}p - \frac{2}{5}p = 11\frac{1}{3}$$

$$\{5\}$$

$$7) -\frac{8}{5}n + 1 + \frac{1}{2}n = -4\frac{1}{2}$$

$$\{5\}$$

$$8) 3k - 1\frac{1}{3}k = \frac{5}{9}$$

$$\left\{\frac{1}{3}\right\}$$

$$9) 1\frac{1}{2}n + 2\frac{3}{5}n = 6\frac{3}{20}$$

$$\left\{1\frac{1}{2}\right\}$$

$$10) -\frac{11}{3}k + \frac{1}{3} + 5 = -2$$

$$\{2\}$$

$$11) -\frac{3}{5}a - 5a = 4\frac{1}{5}$$

$$\left\{-\frac{3}{4}\right\}$$

$$12) -\frac{8}{5}m - m = 4\frac{4}{25}$$

$$\left\{-1\frac{3}{5}\right\}$$

$$13) b + 1\frac{3}{4} + \frac{2}{5} = \frac{3}{20}$$

$$\{-2\}$$

$$14) \frac{11}{5}k + \frac{1}{3}k = -6\frac{29}{30}$$

$$\left\{-2\frac{3}{4}\right\}$$

$$15) x + 2\frac{1}{3} + 1\frac{1}{4}x = 5\frac{17}{24}$$

$$\left\{1\frac{1}{2}\right\}$$

$$16) -\frac{1}{2}a + 2\frac{1}{2}a = 3$$

$$\left\{1\frac{1}{2}\right\}$$

$$17) -\frac{5}{3}n + 2\frac{1}{4}n = \frac{7}{16}$$

$$\left\{\frac{3}{4}\right\}$$

$$18) -2\frac{3}{5}n - \frac{3}{2}n = 5\frac{7}{15}$$

$$\left\{-1\frac{1}{3}\right\}$$

$$19) \frac{2}{3}x + 1 - \frac{8}{3}x = -\frac{11}{5}$$

$$\left\{1\frac{3}{5}\right\}$$

$$20) 2\frac{2}{3}k - 1\frac{1}{5}k = 1\frac{7}{15}$$

$$\{1\}$$

$$21) -\frac{18}{5}a + 1 - \frac{19}{5}a = -10\frac{1}{10}$$

$$\left\{1\frac{1}{2}\right\}$$

$$22) 1\frac{1}{3}k - 1\frac{3}{4} + 2\frac{4}{5}k = \frac{181}{180}$$

$$\left\{\frac{2}{3}\right\}$$

$$23) 1\frac{4}{5}p + \frac{2}{3}p = -\frac{518}{75}$$

$$\left\{-2\frac{4}{5}\right\}$$

$$24) \frac{1}{2}v - 1\frac{1}{5}v = 0$$

$$\{0\}$$

$$25) 2\frac{1}{4}x - 1 + 5\frac{3}{4} = 5\frac{13}{20}$$

$$\left\{\frac{2}{5}\right\}$$

$$26) -2\frac{2}{3}p - p = -1\frac{5}{6}$$

$$\left\{\frac{1}{2}\right\}$$

$$27) a + 1\frac{1}{3} + 2\frac{2}{5} = 5\frac{2}{5}$$

$$\left\{1\frac{2}{3}\right\}$$

$$28) -3\frac{1}{3}n + \frac{3}{2} + 2\frac{3}{4} = -1\frac{1}{12}$$

$$\left\{1\frac{3}{5}\right\}$$

$$29) -1\frac{1}{4}x - 1\frac{1}{2}x = -3\frac{2}{3}$$

$$\left\{1\frac{1}{3}\right\}$$

$$30) 1\frac{1}{4}v - \frac{1}{2} + \frac{1}{5} = -4\frac{79}{80}$$

$$\left\{-3\frac{3}{4}\right\}$$

$$31) k + 1\frac{1}{3} + 2 = \frac{8}{3}$$

$$\left\{-\frac{2}{3}\right\}$$

$$32) \frac{3}{5}x + \frac{1}{2}x = \frac{11}{40}$$

$$\left\{\frac{1}{4}\right\}$$

$$33) \frac{1}{2}x + 2 + 2\frac{1}{2} = \frac{14}{3}$$

$$\left\{\frac{1}{3}\right\}$$

$$34) 1\frac{1}{2}n + \frac{1}{3}n = \frac{11}{30}$$

$$\left\{\frac{1}{5}\right\}$$

$$35) -2\frac{2}{3}k - \frac{1}{3} - \frac{1}{2} = 4\frac{1}{2}$$

$$\{-2\}$$

$$36) \frac{8}{5}r + 1 + 5r = -\frac{29}{4}$$

$$\left\{-1\frac{1}{4}\right\}$$

$$37) -\frac{5}{4}m - 1\frac{1}{5} + \frac{1}{2} = \frac{11}{20}$$

$$\{-1\}$$

$$38) n + \frac{1}{2} + 2 = \frac{43}{10}$$

$$\left\{1\frac{4}{5}\right\}$$

$$39) \frac{1}{3}a + \frac{2}{5} + 1 = 1\frac{14}{15}$$

$$\left\{1\frac{3}{5}\right\}$$

$$40) -\frac{1}{3}k + 1 - 3\frac{1}{2}k = \frac{35}{12}$$

$$\left\{-\frac{1}{2}\right\}$$

$$41) m + 1\frac{3}{4}m = -2\frac{3}{4}$$

$$\{-1\}$$

$$42) p + \frac{3}{4} - \frac{8}{5}p = 1\frac{3}{4}$$

$$\left\{-1\frac{2}{3}\right\}$$

$$43) 1\frac{3}{4}b - 2\frac{2}{3} + 1\frac{1}{2} = \frac{77}{24}$$

$$\left\{2\frac{1}{2}\right\}$$

$$44) \frac{5}{2}x - 3x = -1\frac{1}{10}$$

$$\left\{2\frac{1}{5}\right\}$$

$$45) -1\frac{1}{2}p + \frac{1}{3} + \frac{3}{2} = 3\frac{17}{24}$$

$$\left\{-1\frac{1}{4}\right\}$$

$$46) -\frac{1}{2}x - \frac{4}{5}x = 1\frac{5}{8}$$

$$\left\{-1\frac{1}{4}\right\}$$

$$47) -\frac{2}{5}r + 2\frac{1}{3} + \frac{2}{3} = \frac{113}{25}$$

$$\left\{-3\frac{4}{5}\right\}$$

$$48) -\frac{7}{3}r + 2\frac{1}{2}r = -\frac{8}{15}$$

$$\left\{-3\frac{1}{5}\right\}$$

$$49) x - \frac{1}{3} + 1\frac{1}{2} = \frac{5}{2}$$

$$\left\{1\frac{1}{3}\right\}$$

$$50) 2\frac{2}{3}a + 1\frac{2}{3}a = -7\frac{2}{9}$$

$$\left\{-1\frac{2}{3}\right\}$$

$$51) x - 3\frac{3}{5} - \frac{4}{5} = -\frac{39}{10}$$

$$\left\{\frac{1}{2}\right\}$$

$$52) 1\frac{1}{5}v - \frac{1}{2} - 2v = -\frac{47}{30}$$

$$\left\{1\frac{1}{3}\right\}$$

$$53) \frac{1}{2}v + \frac{1}{2} + \frac{11}{4}v = \frac{153}{20}$$

$$\left\{2\frac{1}{5}\right\}$$

$$54) \frac{3}{4}a + \frac{1}{4}a = \frac{1}{2}$$

$$\left\{\frac{1}{2}\right\}$$

$$55) \frac{1}{3}x - 2x = -\frac{2}{3}$$

$$\left\{\frac{2}{5}\right\}$$

$$56) n + 1\frac{2}{3} - \frac{3}{5}n = 1\frac{8}{75}$$

$$\left\{-1\frac{2}{5}\right\}$$

$$57) 3r + \frac{1}{2}r = 8\frac{3}{4}$$

$$\left\{2\frac{1}{2}\right\}$$

$$58) 1\frac{2}{3}v + 2\frac{2}{3} + 1 = 7$$

$$\{2\}$$

$$59) -\frac{11}{4}k + \frac{3}{4} - 3\frac{1}{2} = 0$$

$$\{-1\}$$

$$60) -\frac{3}{4}n + \frac{9}{4}n = -\frac{3}{4}$$

$$\left\{-\frac{1}{2}\right\}$$

$$61) \frac{2}{5}x - \frac{3}{2}x = 3\frac{2}{25}$$

$$\left\{-2\frac{4}{5}\right\}$$

$$62) x - 2\frac{4}{5} + \frac{1}{2} = -\frac{21}{20}$$

$$\left\{1\frac{1}{4}\right\}$$

$$63) \frac{3}{5}r - \frac{2}{5} - r = \frac{11}{10}$$

$$\left\{-3\frac{3}{4}\right\}$$

$$64) \frac{5}{2}n - 1\frac{1}{2}n = \frac{3}{2}$$

$$\left\{1\frac{1}{2}\right\}$$

$$65) -b + 1\frac{1}{2}b = -1\frac{3}{5}$$

$$\left\{-3\frac{1}{5}\right\}$$

$$66) -3\frac{3}{5}x - 5 + x = -7\frac{3}{5}$$

$$\{1\}$$

$$67) \frac{6}{5}x - \frac{6}{5} + 2\frac{3}{4} = \frac{3}{4}$$

$$\left\{-\frac{2}{3}\right\}$$

$$68) 2x - 1\frac{1}{2} + 1\frac{3}{4}x = 4\frac{1}{8}$$

$$\left\{1\frac{1}{2}\right\}$$

$$69) 1\frac{1}{5}m - 1\frac{2}{3} + 2 = 1\frac{8}{15}$$

$$\{1\}$$

$$70) -1\frac{1}{2}v + 2\frac{1}{5} + 1\frac{1}{2} = \frac{283}{40}$$

$$\left\{-2\frac{1}{4}\right\}$$

$$71) -2\frac{1}{2}n + 1 + \frac{1}{5} = 5\frac{7}{10}$$

$$\left\{-1\frac{4}{5}\right\}$$

$$72) x + \frac{2}{3} - 3\frac{4}{5} = -\frac{56}{15}$$

$$\left\{-\frac{3}{5}\right\}$$

$$73) -v - 3\frac{1}{3} + 2\frac{1}{3}v = 2$$

$$\{4\}$$

$$74) -1\frac{1}{2}n - 1\frac{1}{3}n = -\frac{17}{12}$$

$$\left\{\frac{1}{2}\right\}$$

$$75) -2\frac{1}{2}n + 1 + \frac{1}{5}n = -4\frac{3}{50}$$

$$\left\{2\frac{1}{5}\right\}$$

$$76) 1\frac{1}{4}n + n = 4\frac{1}{2}$$

$$\{2\}$$

$$77) 2\frac{1}{2}x - 3\frac{1}{3} - 2x = -5$$

$$\left\{-3\frac{1}{3}\right\}$$

$$78) 1\frac{3}{4}p - \frac{4}{3}p = -\frac{1}{2}$$

$$\left\{-1\frac{1}{5}\right\}$$

$$79) \frac{3}{5}x - 1\frac{1}{2} - \frac{2}{3}x = -1\frac{2}{5}$$

$$\left\{-1\frac{1}{2}\right\}$$

$$80) 1\frac{1}{3}a - 2 + 1\frac{2}{3} = \frac{1}{3}$$

$$\left\{\frac{1}{2}\right\}$$

$$81) -5k + \frac{14}{5}k = \frac{22}{5}$$

$$\{-2\}$$

$$82) \frac{3}{4}n + \frac{1}{4} + 2n = 5\frac{3}{4}$$

$$\{2\}$$

$$83) 2x + 2x = 0$$

$$\{0\}$$

$$84) \frac{2}{3}m + 1\frac{1}{2}m = \frac{13}{30}$$

$$\left\{\frac{1}{5}\right\}$$

$$85) 1\frac{1}{3}p + \frac{1}{3}p = 2\frac{1}{12}$$

$$\left\{1\frac{1}{4}\right\}$$

$$86) -2n + \frac{1}{5} + 2 = 6\frac{1}{5}$$

$$\{-2\}$$

$$87) \frac{3}{4}n - \frac{18}{5}n = -3\frac{21}{50}$$

$$\left\{1\frac{1}{5}\right\}$$

$$88) \frac{1}{2}r + 1\frac{2}{3} + 2 = 2\frac{11}{12}$$

$$\left\{-1\frac{1}{2}\right\}$$

$$89) 2\frac{2}{3}n + \frac{2}{3}n = \frac{5}{2}$$

$$\left\{\frac{3}{4}\right\}$$

$$90) -\frac{5}{3}v + \frac{1}{2} - 1\frac{1}{2} = -3\frac{11}{12}$$

$$\left\{1\frac{3}{4}\right\}$$

91) $x + \frac{1}{4} + 1 = 2\frac{17}{20}$

$\left\{1\frac{3}{5}\right\}$

92) $-n - 1\frac{3}{4} + 3 = -1$

$\left\{2\frac{1}{4}\right\}$

93) $-\frac{5}{4}r - \frac{1}{4}r = -2\frac{2}{5}$

$\left\{1\frac{3}{5}\right\}$

94) $\frac{5}{3}v - 1 + \frac{1}{4} = 3$

$\left\{2\frac{1}{4}\right\}$

95) $-4m + 1\frac{1}{5}m = -2\frac{4}{5}$

$\{1\}$

96) $a + 2\frac{2}{5} + \frac{2}{3}a = \frac{11}{15}$

$\{-1\}$

97) $k + \frac{2}{3} + 2 = \frac{5}{12}$

$\left\{-2\frac{1}{4}\right\}$

98) $-1\frac{3}{5}v + 1\frac{2}{3}v = \frac{1}{30}$

$\left\{\frac{1}{2}\right\}$

99) $\frac{2}{3}n + n = 2\frac{1}{2}$

$\left\{1\frac{1}{2}\right\}$

100) $-2\frac{4}{5}p + 1\frac{1}{3} + 1\frac{4}{5} = \frac{409}{30}$

$\left\{-3\frac{3}{4}\right\}$

101) $1\frac{1}{3} + 6\left(-\frac{3}{2}n + 1\right) = \frac{184}{3}$

$\{-6\}$

102) $-\frac{10}{3}\left(4n + 1\frac{3}{4}\right) = -\frac{145}{2}$

$\{5\}$

103) $6\left(\frac{14}{3}a + 1\frac{2}{3}\right) - a = -\frac{257}{4}$ $\left\{-2\frac{3}{4}\right\}$

104) $-4\left(3\frac{1}{2}n - 2\right) - \frac{11}{3}n = 74\frac{1}{4}$ $\left\{-3\frac{3}{4}\right\}$

$$105) 6\left(\frac{7}{3}v + \frac{7}{6}\right) = 91$$

{6}

$$107) 5\left(-3\frac{1}{5}x + 1\right) = 77 \quad \left\{-4\frac{1}{2}\right\}$$

$$109) 6\left(-\frac{17}{6}n + \frac{17}{6}\right) = 62\frac{1}{3} \quad \left\{-2\frac{2}{3}\right\}$$

$$111) -2\frac{1}{5}\left(5x + 1\frac{1}{2}\right) = \frac{627}{10}$$

{-6}

$$113) 6\left(\frac{19}{6}n - \frac{5}{3}\right) = -82\frac{5}{6} \quad \left\{-3\frac{5}{6}\right\}$$

$$115) -1\frac{2}{3} - 2\frac{2}{3}\left(6\frac{1}{2}x - 4\right) = 64\frac{7}{15} \quad \left\{-3\frac{1}{5}\right\}$$

$$117) -3\left(6a + 2\frac{3}{4}\right) = -\frac{273}{4} \quad \left\{3\frac{1}{3}\right\}$$

$$119) 3\frac{5}{6}\left(3\frac{1}{4}v - \frac{5}{6}\right) = -61\frac{1}{3} \quad \left\{-4\frac{2}{3}\right\}$$

$$121) \frac{11}{3}\left(\frac{19}{6}k + 2\right) = \frac{1177}{18}$$

{5}

$$123) -2\frac{2}{3}\left(\frac{31}{6}k - 1\frac{1}{6}\right) + 1\frac{5}{6} = \frac{1577}{18}$$

{-6}

$$125) 3\frac{4}{5}\left(\frac{7}{2}n + 1\right) - 1\frac{2}{5} = 85\frac{21}{40} \quad \left\{6\frac{1}{4}\right\}$$

$$127) 6\left(2\frac{1}{3}x + \frac{3}{4}\right) = 81\frac{1}{2} \quad \left\{5\frac{1}{2}\right\}$$

$$106) -3\frac{1}{2}\left(\frac{7}{2}m + \frac{1}{6}\right) + 4 = \frac{194}{3}$$

{-5}

$$108) -\frac{11}{3}\left(\frac{17}{6}r + 1\right) = -66$$

{6}

$$110) 5\left(-2n + 4\frac{2}{3}\right) = 73\frac{1}{3}$$

{-5}

$$112) \frac{1}{5}r - \frac{19}{3}\left(1\frac{2}{5}r + 6\right) = -81\frac{1}{3}$$

{5}

$$114) \frac{11}{4}\left(3\frac{1}{3}x + 1\right) = \frac{781}{12} \quad \left\{6\frac{4}{5}\right\}$$

$$116) 6\left(3\frac{3}{5}r - 1\right) = -\frac{408}{5} \quad \left\{-3\frac{1}{2}\right\}$$

$$118) -2 - 4\left(-5v + \frac{5}{6}\right) = -125\frac{1}{3}$$

{-6}

$$120) 2\left(6b + 1\frac{2}{3}\right) = 65\frac{1}{3} \quad \left\{5\frac{1}{6}\right\}$$

$$122) 2\frac{1}{3} + 4\left(3\frac{1}{6}r + 3\frac{1}{4}\right) = \frac{556}{9} \quad \left\{3\frac{2}{3}\right\}$$

$$124) 6\frac{1}{2}\left(3\frac{3}{4}x + 2\frac{1}{2}\right) = 74\frac{3}{4} \quad \left\{2\frac{2}{5}\right\}$$

$$126) -2\frac{1}{2}\left(6\frac{2}{3}r - 1\frac{1}{2}\right) - \frac{7}{4}r = 62\frac{5}{72} \quad \left\{-3\frac{1}{6}\right\}$$

$$128) \frac{1}{2}n - \frac{7}{2}\left(\frac{14}{3}n + 2\frac{1}{4}\right) = -\frac{1709}{24}$$

{4}

$$129) 5\left(6\frac{1}{6}n + \frac{5}{2}\right) = -141\frac{2}{3}$$

{-5}

$$131) -6\left(3\frac{5}{6}x + 1\right) = -90\frac{1}{3} \quad \left\{3\frac{2}{3}\right\}$$

$$133) -6\left(3\frac{1}{2}r - 2\frac{5}{6}\right) = 76\frac{1}{2} \quad \left\{-2\frac{5}{6}\right\}$$

$$135) -3 - 2\frac{1}{2}\left(\frac{34}{5}n + 1\right) = -\frac{314}{3} \quad \left\{5\frac{5}{6}\right\}$$

$$137) -3\frac{2}{5}\left(2\frac{5}{6}x - 1\right) = 64\frac{37}{90} \quad \left\{-6\frac{1}{3}\right\}$$

$$139) \frac{18}{5}\left(5n - 1\frac{1}{6}\right) = \frac{309}{5} \quad \left\{3\frac{2}{3}\right\}$$

$$141) -1\frac{1}{6} - \frac{11}{3}\left(\frac{23}{6}n + \frac{3}{4}\right) = 92\frac{7}{54} \quad \left\{-6\frac{5}{6}\right\}$$

$$143) 6\left(\frac{11}{6}n - \frac{5}{2}\right) + \frac{6}{5}n = -\frac{1853}{30} \quad \left\{-3\frac{5}{6}\right\}$$

$$145) 4\left(4\frac{1}{5}x + 1\frac{3}{4}\right) = 63 \quad \left\{3\frac{1}{3}\right\}$$

$$147) -\frac{11}{4}v + 2\left(-3\frac{2}{3}v + 1\frac{1}{3}\right) = 63\frac{1}{6}$$

{-6}

$$149) \frac{10}{3}\left(\frac{10}{3}n - \frac{26}{5}\right) = -\frac{656}{9}$$

{-5}

$$151) \frac{17}{6}\left(-4\frac{2}{3}x - \frac{4}{5}\right) = 61\frac{173}{270} \quad \left\{-4\frac{5}{6}\right\}$$

$$130) \frac{19}{5}\left(3\frac{3}{4}r + 2\right) + 1\frac{1}{2}r = 66\frac{53}{80} \quad \left\{3\frac{3}{4}\right\}$$

$$132) \frac{13}{2}\left(3\frac{1}{3}p + \frac{2}{5}\right) - p = 64\frac{3}{5}$$

{3}

$$134) -3\frac{1}{6}\left(\frac{14}{5}k + 2\right) = -63\frac{29}{30} \quad \left\{6\frac{1}{2}\right\}$$

$$136) -3\frac{1}{2}\left(\frac{34}{5}b - 5\right) = 77 \quad \left\{-2\frac{1}{2}\right\}$$

$$138) -\frac{10}{3}\left(-3\frac{2}{3}r + 1\right) = 72\frac{1}{27} \quad \left\{6\frac{1}{6}\right\}$$

$$140) -1\frac{3}{4}p + 3\frac{3}{4}\left(-4p + \frac{5}{3}\right) = 64\frac{7}{8} \quad \left\{-3\frac{1}{2}\right\}$$

$$142) 3\frac{1}{2}\left(3\frac{1}{6}n + 1\frac{2}{3}\right) = 61\frac{1}{4}$$

{5}

$$144) -3\frac{1}{2}\left(-3\frac{4}{5}p + 3\frac{4}{5}\right) = -\frac{931}{15} \quad \left\{-3\frac{2}{3}\right\}$$

$$146) -3\left(-4\frac{1}{4}x + \frac{2}{3}\right) = -78\frac{1}{2}$$

{-6}

$$148) 6\left(-\frac{7}{3}x - 3\frac{2}{3}\right) = -106$$

{6}

$$150) \frac{15}{4}\left(-2\frac{3}{4}m + 1\right) = -61\frac{9}{16} \quad \left\{6\frac{1}{3}\right\}$$

$$152) -2\frac{1}{4}\left(-5x + 1\frac{1}{4}\right) = -\frac{1125}{16}$$

{-6}

$$153) -3\left(-3\frac{3}{4}n + 3\right) - 1\frac{1}{4} = -\frac{133}{2}$$

{-5}

$$155) \frac{23}{4}\left(3\frac{1}{4}v + \frac{1}{2}\right) = 115$$

{6}

$$157) 4\frac{1}{3}\left(-4p + \frac{1}{3}\right) = 65 \quad \left\{-3\frac{2}{3}\right\}$$

$$159) 3\frac{3}{4}\left(3\frac{3}{4}v + \frac{3}{4}\right) = 87\frac{3}{16}$$

{6}

$$161) -\frac{1}{3}v - 3\frac{1}{6}\left(\frac{41}{6}v - 3\frac{1}{4}\right) = 87\frac{7}{36} \quad \left\{-3\frac{1}{2}\right\}$$

$$163) 4\left(-1\frac{1}{2}x + 1\frac{3}{4}\right) - 3\frac{3}{4}x = 65\frac{1}{2}$$

{-6}

$$165) 1\frac{3}{5}p - 4\left(-5p + 3\frac{3}{4}\right) = 67\frac{2}{25} \quad \left\{3\frac{4}{5}\right\}$$

$$167) \frac{5}{2}\left(\frac{11}{3}v - \frac{1}{2}\right) = 61\frac{7}{18} \quad \left\{6\frac{5}{6}\right\}$$

$$169) -4\frac{3}{4}\left(3\frac{1}{3}r + 5\right) + \frac{1}{5} = -76\frac{59}{180} \quad \left\{3\frac{1}{3}\right\}$$

$$171) -3\left(6\frac{5}{6}a + \frac{13}{6}\right) = \frac{316}{5} \quad \left\{-3\frac{2}{5}\right\}$$

$$173) 3\frac{2}{5}\left(-\frac{17}{6}a + 1\right) = \frac{7633}{120} \quad \left\{-6\frac{1}{4}\right\}$$

$$175) -\frac{16}{5} + 5\frac{1}{3}\left(3\frac{2}{3}r + \frac{1}{2}\right) = -63\frac{1}{9} \quad \left\{-3\frac{1}{5}\right\}$$

$$154) -3\frac{2}{5}\left(2\frac{4}{5}x - 6\right) = 68$$

{-5}

$$156) 3\frac{1}{3} + \frac{7}{2}\left(-3\frac{2}{5}n - \frac{19}{5}\right) = -61\frac{8}{15} \quad \left\{4\frac{1}{3}\right\}$$

$$158) -3\frac{1}{5}\left(3\frac{1}{2}x - 3\frac{1}{3}\right) = \frac{1168}{15}$$

{-6}

$$160) -1\frac{5}{6} + \frac{11}{2}\left(2a + 1\frac{3}{5}\right) = 61\frac{29}{30}$$

{5}

$$162) -\frac{7}{2}\left(3\frac{2}{3}n + 1\right) - \frac{17}{6} = -83\frac{1}{3}$$

{6}

$$164) 3\frac{2}{3}\left(-3\frac{4}{5}x + \frac{1}{5}\right) + x = -\frac{959}{15}$$

{5}

$$166) 5\frac{2}{3}\left(\frac{5}{2}n + 1\frac{5}{6}\right) = 61\frac{7}{18} \quad \left\{3\frac{3}{5}\right\}$$

$$168) -6\left(-2\frac{2}{3}r + 2\right) - 1\frac{1}{2}r = -67\frac{1}{10} \quad \left\{-3\frac{4}{5}\right\}$$

$$170) -3\frac{2}{5}\left(-4\frac{1}{2}k + \frac{1}{3}\right) = -77\frac{19}{30}$$

{-5}

$$172) -3\frac{1}{3}\left(-4x + \frac{2}{3}\right) + \frac{1}{3}x = 66\frac{1}{9}$$

{5}

$$174) -3\frac{1}{6}x + 6\left(-1\frac{1}{6}x + 1\right) = 67$$

{-6}

$$176) \frac{23}{6}\left(-4\frac{1}{2}n + 1\right) - 2n = 68 \quad \left\{-3\frac{1}{3}\right\}$$

$$177) 6\left(\frac{19}{5}x + \frac{4}{3}\right) = 84 \quad \left\{3\frac{1}{3}\right\}$$

$$178) -4\left(4k - \frac{7}{2}\right) = 70 \quad \left\{-3\frac{1}{2}\right\}$$

$$179) -2\frac{4}{5}\left(-4a + \frac{9}{4}\right) = -73\frac{1}{2}$$

$\{-6\}$

$$180) -6\left(\frac{8}{3}n + 1\right) = -102$$

$\{6\}$

$$181) -3\frac{2}{3}\left(3\frac{2}{5}x + 3\frac{1}{6}\right) = -61\frac{43}{90}$$

$\{4\}$

$$182) -6\frac{4}{5}\left(-3\frac{3}{4}k + \frac{5}{4}\right) = -72\frac{1}{4} \quad \left\{-2\frac{1}{2}\right\}$$

$$183) -3\frac{5}{6}\left(-3\frac{3}{4}r + 3\frac{1}{2}\right) - \frac{1}{4} = \frac{871}{12}$$

$\{6\}$

$$184) 2\frac{2}{5} + 3\frac{2}{3}\left(\frac{12}{5}x + 2\frac{1}{6}\right) = 63\frac{13}{90}$$

$\{6\}$

$$185) 1\frac{1}{2}v + 3\frac{1}{2}\left(4v + \frac{19}{6}\right) = 70\frac{1}{2} \quad \left\{3\frac{5}{6}\right\}$$

$$186) \frac{23}{6}\left(\frac{7}{2}r + \frac{1}{3}\right) = -79\frac{2}{9}$$

$\{-6\}$

$$187) \frac{5}{2}\left(-6x - 1\frac{5}{6}\right) - 2\frac{5}{6}x = \frac{1495}{24} \quad \left\{-3\frac{3}{4}\right\}$$

$$188) \frac{7}{2}\left(\frac{20}{3}p + 6\frac{1}{2}\right) = \frac{2359}{36} \quad \left\{1\frac{5}{6}\right\}$$

$$189) 2\frac{2}{5}n + \frac{11}{3}\left(4n + \frac{2}{3}\right) = -62\frac{92}{225} \quad \left\{-3\frac{4}{5}\right\}$$

$$190) 6\left(\frac{15}{4}n - \frac{8}{5}\right) = -\frac{2859}{40} \quad \left\{-2\frac{3}{4}\right\}$$

$$191) -\frac{31}{6}\left(1\frac{2}{3}m + 2\frac{1}{2}\right) = -\frac{7595}{108} \quad \left\{6\frac{2}{3}\right\}$$

$$192) \frac{5}{6}k + \frac{14}{5}\left(6k + 1\frac{2}{5}\right) = \frac{19691}{300} \quad \left\{3\frac{1}{2}\right\}$$

$$193) -5\left(-\frac{14}{5}n + 1\right) = 65$$

$\{5\}$

$$194) -\frac{23}{6}\left(-5\frac{1}{3}p - 3\frac{1}{2}\right) = -63\frac{1}{4} \quad \left\{-3\frac{3}{4}\right\}$$

$$195) -4\frac{1}{2}\left(-3\frac{1}{2}n + 1\frac{1}{5}\right) + \frac{1}{2}n = 75\frac{17}{20}$$

$\{5\}$

$$196) -\frac{19}{6}b + 3\frac{1}{2}\left(-\frac{14}{5}b + 1\right) = \frac{813}{10}$$

$\{-6\}$

$$197) -\frac{27}{5} + 2\frac{1}{2}\left(5x + \frac{5}{3}\right) = -74\frac{3}{20} \quad \left\{-5\frac{5}{6}\right\}$$

$$198) 4\left(2\frac{5}{6}x + 1\right) = -64$$

$\{-6\}$

$$199) 3\frac{1}{5}\left(6\frac{1}{4}x - \frac{1}{2}\right) + \frac{17}{5}x = -83\frac{1}{2} \quad \left\{-3\frac{1}{2}\right\}$$

$$200) -\frac{12}{5}\left(\frac{23}{6}n + 1\frac{1}{4}\right) - 1\frac{1}{2} = -67\frac{11}{30} \quad \left\{6\frac{5}{6}\right\}$$

$$201) k + 1\frac{1}{2} - 3\frac{1}{4}k = 1 - 1\frac{1}{2}k \quad \left\{ \begin{array}{l} 2 \\ 3 \end{array} \right\}$$

$$202) 4\frac{3}{4}r - 3\frac{3}{4} - \frac{5}{4}r = -2\frac{3}{28} - \frac{3}{2}r + 1 - \frac{1}{7} \quad \left\{ \begin{array}{l} 1 \\ 2 \end{array} \right\}$$

$$203) \frac{1}{8}k + 5 = 7\frac{7}{16} - 1\frac{1}{2}k \quad \left\{ \begin{array}{l} 1 \\ 1 \\ 2 \end{array} \right\}$$

$$204) \frac{5}{6}x + \frac{4}{5}x = -1\frac{1}{6}x - 3\frac{1}{2} \quad \left\{ \begin{array}{l} -1 \\ 1 \\ 4 \end{array} \right\}$$

$$205) \frac{1}{5}n - \frac{2}{3} = -10\frac{23}{24} + \frac{17}{8}n + 4\frac{1}{4}n \quad \left\{ \begin{array}{l} 1 \\ 2 \\ 3 \end{array} \right\}$$

$$206) 1\frac{3}{7}x + 4\frac{2}{5} = \frac{367}{35} + \frac{17}{6}x - 2 + \frac{1}{6}x \quad \left\{ \begin{array}{l} -2 \\ 3 \\ 5 \end{array} \right\}$$

$$207) \frac{3}{5}x + 4\frac{3}{4} + 3\frac{1}{2}x = -\frac{213}{160} + \frac{5}{8}x \quad \left\{ \begin{array}{l} -1 \\ 3 \\ 4 \end{array} \right\}$$

$$208) \frac{1}{4}x - \frac{1}{8} + 3 = \frac{7}{2} - x \quad \left\{ \begin{array}{l} 1 \\ 2 \end{array} \right\}$$

$$209) \frac{7}{8}r - \frac{8}{5} = -\frac{1117}{320} - \frac{1}{2}r \quad \left\{ \begin{array}{l} -1 \\ 3 \\ 8 \end{array} \right\}$$

$$210) -2v + 1\frac{5}{6} = 2\frac{2}{3} - \frac{1}{3}v \quad \left\{ \begin{array}{l} -1 \\ 2 \end{array} \right\}$$

$$211) 7p - 1\frac{1}{3} = \frac{85}{6} - \frac{3}{4}p$$

$$\{2\}$$

$$212) m + 2\frac{1}{6} = \frac{7}{6}m - \frac{7}{3}m - 1\frac{43}{48} \quad \left\{ \begin{array}{l} -1 \\ 7 \\ 8 \end{array} \right\}$$

$$213) 3\frac{6}{7}r + 1 - \frac{7}{6}r = 5r - 1\frac{13}{42}$$

$$\{1\}$$

$$214) -1\frac{1}{3}k + 1 - 7 = -2\frac{8}{9} + k \quad \left\{ \begin{array}{l} -1 \\ 1 \\ 3 \end{array} \right\}$$

$$215) -3\frac{1}{3}r - 2r = \frac{3}{7}r - \frac{1}{6}r - \frac{47}{21} \quad \left\{ \begin{array}{l} 2 \\ 5 \end{array} \right\}$$

$$216) -\frac{8}{5}m + 1\frac{1}{5} = \frac{3}{10} - 2m \quad \left\{ \begin{array}{l} -2 \\ 1 \\ 4 \end{array} \right\}$$

$$217) -1\frac{3}{4}x - \frac{1}{2}x = -\frac{21}{4}x - \frac{4}{3}x - 13\frac{13}{18} \quad \left\{ \begin{array}{l} -3 \\ 1 \\ 6 \end{array} \right\}$$

$$218) x - 1\frac{2}{3} = \frac{223}{21} + \frac{9}{5}x + 3\frac{1}{2}x \quad \left\{ \begin{array}{l} -2 \\ 6 \\ 7 \end{array} \right\}$$

$$219) -1\frac{1}{2}n + 1\frac{1}{2} = -2\frac{5}{9} + \frac{2}{3}n + 1 + 1\frac{1}{2}n \quad \left\{ \begin{array}{l} 5 \\ 6 \end{array} \right\}$$

$$220) \frac{23}{6}b + 4\frac{5}{6} = -11\frac{5}{9} - 6b \quad \left\{ \begin{array}{l} -1 \\ 2 \\ 3 \end{array} \right\}$$

$$221) -1\frac{1}{2}a + \frac{1}{8} = 1\frac{11}{24} - 3\frac{1}{2}a \quad \left\{ \begin{array}{l} 2 \\ 3 \end{array} \right\}$$

$$222) 3\frac{1}{4}x - \frac{4}{7}x = 1\frac{79}{168} + 2x \quad \left\{ \begin{array}{l} 2 \\ 1 \\ 6 \end{array} \right\}$$

$$223) 3\frac{1}{6}v + 1\frac{6}{7} = 2\frac{47}{63} + \frac{1}{2}v \quad \left\{ \begin{array}{l} 1 \\ 3 \end{array} \right\}$$

$$224) 2n + 1\frac{5}{8}n = -4\frac{15}{16} + \frac{1}{3}n \quad \left\{ \begin{array}{l} -1 \\ 1 \\ 2 \end{array} \right\}$$

$$225) \frac{1}{2}x - 1\frac{1}{6} = -6\frac{88}{105} - \frac{7}{5}x + 1\frac{1}{2} + 2 \quad \left\{ -1\frac{1}{7} \right\}$$

$$226) \frac{1}{7}a + 1\frac{1}{2}a = -9\frac{20}{21} - 3\frac{1}{3}a$$

$\{-2\}$

$$227) 4\frac{1}{4}v + 2v = -3\frac{3}{7}v + 8\frac{29}{98} \quad \left\{ \frac{6}{7} \right\}$$

$$228) 2m - \frac{1}{4} + 4\frac{6}{7}m = 6\frac{11}{28} + 1\frac{5}{6}m + \frac{7}{8} - 3\frac{3}{4} \quad \left\{ \frac{3}{4} \right\}$$

$$229) 3\frac{5}{6}x + \frac{3}{4} + 2x = 2x - 8\frac{5}{6} \quad \left\{ -2\frac{1}{2} \right\}$$

$$230) 3p + \frac{1}{5} - 2p = 1\frac{39}{70} + 1\frac{1}{2}p \quad \left\{ -2\frac{5}{7} \right\}$$

$$231) -\frac{7}{2}b + 3\frac{3}{7}b = -1\frac{206}{245} + \frac{8}{5}b - \frac{1}{2}b \quad \left\{ 1\frac{4}{7} \right\}$$

$$232) m - 2\frac{1}{2} + \frac{3}{4}m = -\frac{173}{56} + 1\frac{3}{8}m \quad \left\{ -1\frac{4}{7} \right\}$$

$$233) -8b + \frac{3}{7} = -12\frac{29}{112} + 2\frac{3}{4}b - 7\frac{1}{8}b \quad \left\{ 3\frac{1}{2} \right\}$$

$$234) -\frac{1}{7}x + 1 = \frac{449}{140} + \frac{9}{4}x - 1\frac{1}{6}x \quad \left\{ -1\frac{4}{5} \right\}$$

$$235) \frac{1}{8}v + 1\frac{5}{6} = -\frac{31}{8} + v - 1\frac{1}{6} - 5v \quad \left\{ -1\frac{2}{3} \right\}$$

$$236) n - 3\frac{1}{5} = -2\frac{67}{80} + \frac{5}{8}n + \frac{6}{5} - 1 \quad \left\{ 1\frac{1}{2} \right\}$$

$$237) x + \frac{17}{4} = -\frac{4}{3}x - 3\frac{1}{3} \quad \left\{ -3\frac{1}{4} \right\}$$

$$238) x + \frac{17}{6} = \frac{1}{2} - x \quad \left\{ -1\frac{1}{6} \right\}$$

$$239) 2k + \frac{5}{6}k = -\frac{3}{4}k + 4\frac{4}{5} + \frac{2}{3}k - \frac{977}{240} \quad \left\{ \frac{1}{4} \right\}$$

$$240) -\frac{5}{7}a + 6\frac{2}{3}a = -11\frac{1}{35} - 1\frac{2}{5}a \quad \left\{ -1\frac{1}{2} \right\}$$

$$241) 1\frac{3}{7}k - 2 + 2\frac{1}{6} = -\frac{58}{35} + 2\frac{4}{5}k + \frac{1}{2} + \frac{13}{5}k \quad \left\{ \frac{1}{3} \right\}$$

$$242) \frac{3}{4}a + \frac{4}{7} + \frac{1}{6}a = -10\frac{47}{84} + 8a \quad \left\{ 1\frac{4}{7} \right\}$$

$$243) 4\frac{3}{4}v + v = 4\frac{1}{2} + 8v$$

$\{-2\}$

$$244) -\frac{5}{4}m - \frac{3}{4} + 4\frac{2}{7} = 9\frac{1}{28} + 1\frac{1}{2}m$$

$\{-2\}$

$$245) 1\frac{2}{3}a - \frac{1}{3} = -4\frac{24}{49} - \frac{4}{7}a \quad \left\{ -1\frac{6}{7} \right\}$$

$$246) b + 3\frac{2}{3} = 1\frac{1}{8}b + 4\frac{5}{8}b - \frac{127}{12}$$

$\{3\}$

$$247) n - 1\frac{5}{7} = -\frac{27}{14} + 1\frac{1}{7}n \quad \left\{ 1\frac{1}{2} \right\}$$

$$248) -1\frac{1}{2}b - 2\frac{1}{8} = -9\frac{85}{168} + \frac{1}{6}b \quad \left\{ 4\frac{3}{7} \right\}$$

$$249) 2m + \frac{1}{2} = \frac{1}{2}m \quad \left\{ \begin{matrix} -1 \\ 3 \end{matrix} \right\}$$

$$250) 1\frac{5}{6}x + 4\frac{1}{2} + 2\frac{2}{5}x = 14\frac{21}{50} + 1\frac{1}{6}x + x \quad \left\{ \begin{matrix} 4 \\ 5 \end{matrix} \right\}$$

$$251) p + \frac{5}{2} = \frac{401}{98} + \frac{13}{7}p \quad \left\{ \begin{matrix} -1 \\ 6 \\ 7 \end{matrix} \right\}$$

$$252) p + \frac{5}{4} = -\frac{7}{8}p - 8\frac{53}{64} \quad \left\{ \begin{matrix} -5 \\ 3 \\ 8 \end{matrix} \right\}$$

$$253) 1\frac{1}{2}v + \frac{1}{4} = 3\frac{2}{3}v + \frac{25}{48} \quad \left\{ \begin{matrix} -1 \\ 8 \end{matrix} \right\}$$

$$254) \frac{5}{3}n - 3\frac{7}{8}n = -3\frac{83}{168} + 1\frac{2}{7}n$$

$$\{1\}$$

$$255) -\frac{8}{5}p - \frac{11}{8}p = \frac{91}{80} - 3\frac{1}{2}p \quad \left\{ \begin{matrix} 2 \\ 1 \\ 6 \end{matrix} \right\}$$

$$256) \frac{3}{5}x + 1 = 10\frac{5}{12} - \frac{17}{5}x + 1 + \frac{1}{4} \quad \left\{ \begin{matrix} 2 \\ 2 \\ 3 \end{matrix} \right\}$$

$$257) p - \frac{6}{5} = -\frac{559}{90} + 1\frac{1}{3}p + \frac{12}{5}p \quad \left\{ \begin{matrix} 1 \\ 5 \\ 6 \end{matrix} \right\}$$

$$258) a + 2\frac{2}{3} + 2a = 8\frac{3}{5}a - 8\frac{8}{15}$$

$$\{2\}$$

$$259) \frac{2}{5}n + 8n = -15\frac{9}{35} - \frac{1}{2}n \quad \left\{ \begin{matrix} -1 \\ 5 \\ 7 \end{matrix} \right\}$$

$$260) \frac{19}{6}m + \frac{1}{2} - 5 = 1\frac{1}{6} - 2\frac{1}{2}m$$

$$\{1\}$$

$$261) \frac{1}{3}v - \frac{8}{5}v = \frac{361}{48} + 4\frac{3}{4}v \quad \left\{ \begin{matrix} -1 \\ 1 \\ 4 \end{matrix} \right\}$$

$$262) n + 1\frac{1}{4} = 2n \quad \left\{ \begin{matrix} 1 \\ 1 \\ 4 \end{matrix} \right\}$$

$$263) \frac{3}{2}n - 3 = 1\frac{1}{2}n - 3$$

$$264) n + \frac{9}{4} = -1\frac{1}{2}n + 11\frac{5}{8} \quad \left\{ \begin{matrix} 3 \\ 3 \\ 4 \end{matrix} \right\}$$

{ All real numbers. }

$$265) r + 3\frac{1}{4} + \frac{2}{5}r = -4\frac{139}{210} + \frac{1}{3}r + 7 + 4\frac{5}{7}r \quad \left\{ \begin{matrix} 1 \\ 4 \end{matrix} \right\}$$

$$266) 2\frac{2}{3}a - \frac{1}{2}a = -1\frac{1}{5}a + \frac{707}{150} \quad \left\{ \begin{matrix} 1 \\ 2 \\ 5 \end{matrix} \right\}$$

$$267) x + 3\frac{5}{8} = 1 + x + 1\frac{3}{4}x \quad \left\{ \begin{matrix} 1 \\ 1 \\ 2 \end{matrix} \right\}$$

$$268) \frac{2}{3}x + 3\frac{2}{3} = \frac{31}{7} - \frac{2}{3}x \quad \left\{ \begin{matrix} 4 \\ 7 \end{matrix} \right\}$$

$$269) 3\frac{5}{8}k + 1 = 6\frac{21}{64} + 2\frac{1}{4}k \quad \left\{ \begin{matrix} 3 \\ 7 \\ 8 \end{matrix} \right\}$$

$$270) x + 1\frac{2}{5} = \frac{1101}{140} + \frac{8}{7}x + \frac{25}{6}x \quad \left\{ \begin{matrix} -1 \\ 1 \\ 2 \end{matrix} \right\}$$

$$271) p - \frac{13}{8} = -2\frac{2}{3} + 4\frac{1}{8}p \quad \left\{ \begin{matrix} 1 \\ 3 \end{matrix} \right\}$$

$$272) 3\frac{3}{5}p + \frac{1}{2} = \frac{53}{70} + 2p - 1\frac{3}{7} - \frac{11}{7} \quad \left\{ \begin{matrix} -1 \\ 5 \\ 7 \end{matrix} \right\}$$

$$273) x + 1\frac{1}{5} = 4\frac{19}{20} + 2\frac{2}{3}x \quad \left\{-2\frac{1}{4}\right\}$$

$$274) p - \frac{1}{3} - 1\frac{1}{3}p = 2 + 2p$$

$$\{-1\}$$

$$275) -2\frac{1}{2}p + \frac{1}{3} = -\frac{65}{12} + 1\frac{1}{3}p \quad \left\{1\frac{1}{2}\right\}$$

$$276) \frac{1}{2}x + 1 = -1\frac{8}{15} + 3\frac{2}{3}x \quad \left\{\frac{4}{5}\right\}$$

$$277) -2\frac{1}{6}v - 1\frac{2}{3} = -\frac{295}{147} - \frac{11}{7}v \quad \left\{\frac{4}{7}\right\}$$

$$278) \frac{1}{6}x + \frac{11}{5} = 9\frac{277}{360} + x - 6\frac{7}{8} - \frac{5}{8}x \quad \left\{-3\frac{1}{3}\right\}$$

$$279) -1\frac{5}{6}n + 3\frac{1}{6}n = 1\frac{1}{7}n + \frac{52}{147} \quad \left\{1\frac{6}{7}\right\}$$

$$280) \frac{9}{4}r - 3\frac{3}{4} = -7\frac{58}{75} - 3\frac{2}{5}r + \frac{1}{3} - \frac{1}{2}r \quad \left\{-\frac{3}{5}\right\}$$

$$281) \frac{5}{6}n - 1\frac{5}{6}n = \frac{7}{16} - \frac{5}{4}n \quad \left\{1\frac{3}{4}\right\}$$

$$282) -1\frac{5}{8}x - \frac{2}{3}x = 9\frac{4}{15} + 3\frac{1}{2}x \quad \left\{-1\frac{3}{5}\right\}$$

$$283) -2\frac{5}{8}v + \frac{3}{5} = 1\frac{1}{3}v - 5\frac{11}{15} \quad \left\{1\frac{3}{5}\right\}$$

$$284) \frac{7}{2}n + 1 = 7 - \frac{1}{2}n \quad \left\{1\frac{1}{2}\right\}$$

$$285) \frac{2}{3}m + \frac{3}{4} - \frac{9}{4}m = \frac{3}{4} - \frac{4}{5}m$$

$$\{0\}$$

$$286) 3\frac{5}{6}n + 2\frac{1}{6} = -1\frac{2}{3}n + 15 \quad \left\{2\frac{1}{3}\right\}$$

$$287) \frac{13}{7}x + 1 = \frac{2291}{336} + 3\frac{3}{8}x \quad \left\{-3\frac{5}{6}\right\}$$

$$288) -\frac{15}{4}x + 1 - 7\frac{3}{4}x = -3\frac{1}{4}x + \frac{59}{4} \quad \left\{-1\frac{2}{3}\right\}$$

$$289) 1\frac{6}{7}n + \frac{1}{3} = -3\frac{2}{3}n - \frac{283}{21} \quad \left\{-2\frac{1}{2}\right\}$$

$$290) 1\frac{3}{7}r + \frac{3}{4}r = -\frac{97}{28} - 1\frac{2}{7}r$$

$$\{-1\}$$

$$291) -\frac{2}{3}x + \frac{1}{5} + 1 = -\frac{92}{15} - 8x$$

$$\{-1\}$$

$$292) 1\frac{2}{3}n + \frac{17}{5}n = \frac{379}{90} - 1\frac{1}{4}n \quad \left\{\frac{2}{3}\right\}$$

$$293) -\frac{3}{7}x - 1\frac{1}{2} = -\frac{569}{70} + 3\frac{5}{7}x \quad \left\{1\frac{3}{5}\right\}$$

$$294) x - 1\frac{3}{8} - 1\frac{2}{5}x = \frac{13}{8} - 2x \quad \left\{1\frac{7}{8}\right\}$$

$$295) \frac{4}{5}r - 2 + 3\frac{1}{7} = -\frac{1}{3}r + 2\frac{827}{840} \quad \left\{1\frac{5}{8}\right\}$$

$$296) n + 3\frac{1}{5} = -8\frac{229}{280} + 2\frac{1}{2}n + 2 + 1\frac{7}{8} \quad \left\{5\frac{3}{7}\right\}$$

$$297) n - 1\frac{5}{8} = -\frac{157}{32} + 1\frac{3}{4}n \quad \left\{ \begin{matrix} 4 \\ 8 \\ 3 \end{matrix} \right\}$$

$$298) 3\frac{4}{5}k + \frac{1}{3} = 3\frac{6}{7}k + \frac{11}{21} \quad \left\{ \begin{matrix} -3 \\ 1 \\ 3 \end{matrix} \right\}$$

$$299) k + \frac{1}{2} = 2\frac{3}{4}k + \frac{5}{2} \quad \left\{ \begin{matrix} -1 \\ 1 \\ 7 \end{matrix} \right\}$$

$$300) 4\frac{2}{3}x + 4\frac{1}{3} = 12\frac{79}{840} - \frac{5}{6}x - \frac{19}{8} + \frac{13}{5}x \quad \left\{ \begin{matrix} 1 \\ 6 \\ 7 \end{matrix} \right\}$$

$$301) -\frac{10}{9}v - 4v = 4\frac{13}{288} - 1\frac{7}{8}v \quad \left\{ \begin{matrix} -1 \\ 1 \\ 4 \end{matrix} \right\}$$

$$302) -\frac{2}{3}n + 1 = -\frac{1}{5}n + 1\frac{3}{5} \quad \left\{ \begin{matrix} -1 \\ 2 \\ 7 \end{matrix} \right\}$$

$$303) 4\frac{3}{5}x - 1\frac{3}{4}x = 3\frac{1}{3}x + \frac{29}{270} \quad \left\{ \begin{matrix} -2 \\ -9 \end{matrix} \right\}$$

$$304) n + \frac{2}{3} = 1\frac{17}{21} - \frac{1}{7}n$$

{1}

$$305) \frac{4}{5}v + 2\frac{3}{8} = \frac{40}{9}v - \frac{15}{4} + 3\frac{1}{8}v - \frac{3159}{280} \quad \left\{ \begin{matrix} 2 \\ 4 \\ 7 \end{matrix} \right\}$$

$$306) 1\frac{1}{7}x + \frac{2}{9} = \frac{9314}{1575} + 4\frac{7}{10}x \quad \left\{ \begin{matrix} -1 \\ 3 \\ 5 \end{matrix} \right\}$$

$$307) \frac{45}{8}x + \frac{6}{7}x = -12\frac{227}{240} - 3\frac{1}{2}x + \frac{9}{10} + \frac{2}{5} \quad \left\{ \begin{matrix} -1 \\ 1 \\ 6 \end{matrix} \right\}$$

$$308) 2a + \frac{5}{2} = \frac{71}{50} + 1\frac{7}{10}a \quad \left\{ \begin{matrix} -3 \\ 3 \\ 5 \end{matrix} \right\}$$

$$309) \frac{3}{2}a + 5 = -4\frac{3}{4} - 9a + \frac{3}{4}a$$

$$310) -1\frac{1}{2}n + 1 + 1\frac{3}{5} = \frac{28}{5} + 5n + 3\frac{3}{5} - 2\frac{9}{10}n \quad \left\{ \begin{matrix} -1 \\ 5 \\ 6 \end{matrix} \right\}$$

{-1}

$$311) -\frac{1}{6}k - \frac{8}{9} = -\frac{8}{9} + 2\frac{1}{2}k$$

$$312) -\frac{7}{3}x + \frac{2}{5} = 2\frac{1}{6}x + 2\frac{13}{20} \quad \left\{ \begin{matrix} -1 \\ 1 \\ 2 \end{matrix} \right\}$$

{0}

$$313) -\frac{7}{4}n + 1 = \frac{27}{16} + n \quad \left\{ \begin{matrix} -1 \\ -4 \end{matrix} \right\}$$

$$314) -1\frac{7}{9}m + 2 = 13\frac{5}{21} + 5\frac{5}{7}m \quad \left\{ \begin{matrix} -1 \\ 1 \\ 2 \end{matrix} \right\}$$

$$315) -\frac{2}{3}x + \frac{16}{9} + 3\frac{3}{5} = -\frac{497}{180} + x + 5\frac{5}{9} - \frac{22}{7}x \quad \left\{ \begin{matrix} -1 \\ 3 \\ 4 \end{matrix} \right\}$$

$$316) \frac{5}{9}n + 2 + 1\frac{1}{2}n = -7\frac{19}{72} - \frac{1}{2}n \quad \left\{ \begin{matrix} -3 \\ 5 \\ 8 \end{matrix} \right\}$$

$$317) -5p - 8\frac{7}{8} + \frac{1}{3} = -\frac{205}{24} - \frac{3}{4}p - 3\frac{2}{9}p$$

$$318) \frac{7}{6}x + 1 = 3\frac{1}{2}x - \frac{13}{15} \quad \left\{ \begin{matrix} 4 \\ 5 \end{matrix} \right\}$$

{0}

$$319) \frac{1}{6}b - \frac{15}{7} = \frac{81}{70} + \frac{1}{5}b - 1\frac{5}{6}b \quad \left\{ \begin{matrix} 1 \\ 5 \\ 6 \end{matrix} \right\}$$

$$320) 5\frac{1}{9}x + 1\frac{1}{4} = 2\frac{173}{480} + 3\frac{1}{4}x - 2\frac{1}{10} + 4\frac{1}{2}x \quad \left\{ \begin{matrix} 3 \\ 8 \end{matrix} \right\}$$

$$321) v - 1\frac{4}{7} - v = -4\frac{17}{42} - 2\frac{5}{6}v$$

{-1}

$$323) -1\frac{4}{5}a + 1 = \frac{1}{2} - 1\frac{3}{10}a$$

{1}

$$325) 1\frac{2}{5}k + 5\frac{1}{7} = -3k - 1\frac{27}{35} \quad \left\{-1\frac{4}{7}\right\}$$

$$327) \frac{7}{10}v + 2\frac{8}{9} = -\frac{503}{180} + v + \frac{25}{6} + \frac{5}{3} \quad \left\{-\frac{1}{2}\right\}$$

$$329) -1\frac{4}{5}r + 1 = 7\frac{15}{56} + 1\frac{1}{8}r \quad \left\{-2\frac{1}{7}\right\}$$

$$331) 1\frac{1}{8}x + 1 + 4\frac{1}{2} = -1\frac{3}{8}x + 1 - \frac{3}{5} + 4\frac{4}{15} \quad \left\{-\frac{1}{3}\right\}$$

$$333) 3\frac{7}{10}v + \frac{43}{10} = \frac{53}{70} - 2\frac{1}{2}v \quad \left\{-\frac{4}{7}\right\}$$

$$335) k + \frac{4}{5} = -k + 3\frac{2}{15} \quad \left\{1\frac{1}{6}\right\}$$

$$337) x - \frac{2}{3} = 5\frac{3}{5}x - \frac{2}{3}$$

{0}

$$339) 1\frac{4}{9}v + \frac{1}{6}v = -\frac{1}{9}v - 1\frac{13}{18}$$

{-1}

$$341) -\frac{3}{2}n + 1\frac{7}{9}n = \frac{1295}{216} + 3\frac{7}{8}n \quad \left\{-1\frac{2}{3}\right\}$$

$$343) x - 1\frac{3}{8} = -\frac{1}{2}x - \frac{5}{8} \quad \left\{\frac{1}{2}\right\}$$

$$322) -2n + 3\frac{1}{3}n = \frac{37}{6} - \frac{7}{4}n$$

{2}

$$324) 1\frac{1}{2}x + \frac{2}{9} = -\frac{1787}{180} - 3\frac{1}{3}x \quad \left\{-2\frac{1}{10}\right\}$$

$$326) \frac{9}{10}m + \frac{9}{2} = -1\frac{4}{5}m + \frac{9}{50} \quad \left\{-1\frac{3}{5}\right\}$$

$$328) \frac{3}{2}x - \frac{37}{10} = 2\frac{19}{80} - \frac{5}{3}x \quad \left\{1\frac{7}{8}\right\}$$

$$330) \frac{23}{6}p - 1\frac{1}{5} = -1\frac{17}{30} + 2p \quad \left\{-\frac{1}{5}\right\}$$

$$332) v + \frac{2}{5} = -\frac{4}{3}v + 11\frac{11}{30} \quad \left\{4\frac{7}{10}\right\}$$

$$334) 5\frac{1}{6}x - 3\frac{2}{3} = \frac{82}{75} + \frac{2}{5}x - \frac{1}{3} + 2x \quad \left\{1\frac{3}{5}\right\}$$

$$336) -6b - \frac{19}{6}b = -\frac{5}{3}b + \frac{3}{7} + 3\frac{3}{4} - 13\frac{5}{28} \quad \left\{1\frac{1}{5}\right\}$$

$$338) 4\frac{5}{6}r + \frac{17}{10}r = 2\frac{2}{3}r + 13\frac{1}{20} \quad \left\{3\frac{3}{8}\right\}$$

$$340) -\frac{20}{9}x - \frac{2}{3}x = -1\frac{4}{7}x - 2\frac{443}{567} \quad \left\{2\frac{1}{9}\right\}$$

$$342) \frac{7}{8}x - 1\frac{6}{7}x = \frac{1413}{1960} + \frac{27}{10}x - 2x \quad \left\{-\frac{3}{7}\right\}$$

$$344) 3\frac{8}{9}x + \frac{3}{2} = \frac{167}{18} - 1\frac{5}{9}x + 1\frac{5}{9}x$$

{2}

$$345) -\frac{5}{3}x + 1 = \frac{1}{28} - \frac{2}{3}x + \frac{1}{2} - 3\frac{2}{7} \quad \left\{3\frac{3}{4}\right\}$$

$$346) -1\frac{1}{2}n + 1\frac{1}{4}n = -\frac{35}{72} + \frac{3}{8} \quad \left\{\frac{7}{9}\right\}$$

$$347) \frac{44}{9}b + 1 = \frac{1}{36} + b \quad \left\{-\frac{1}{4}\right\}$$

$$348) 1\frac{1}{3}n + 3\frac{4}{5} = 11\frac{49}{50} - 2\frac{4}{5}n + 1 + \frac{7}{3}n \quad \left\{5\frac{1}{10}\right\}$$

$$349) b + \frac{3}{4} = 2\frac{1}{8}b + 5 + \frac{2}{5} - 4\frac{17}{40} \quad \left\{-\frac{1}{5}\right\}$$

$$350) \frac{3}{5}n - \frac{1}{3} = -2\frac{1}{2} - 2\frac{2}{5}n + \frac{11}{8}n \quad \left\{-1\frac{1}{3}\right\}$$

$$351) m + \frac{1}{2} = 1\frac{1}{8} + 2m \quad \left\{-\frac{5}{8}\right\}$$

$$352) -\frac{10}{9}b - 9 = -15\frac{34}{45} + \frac{2}{3}b \quad \left\{3\frac{4}{5}\right\}$$

$$353) n - 1\frac{3}{5} = -9\frac{4}{7} + 2\frac{4}{5}n \quad \left\{4\frac{3}{7}\right\}$$

$$354) x - \frac{4}{5} = \frac{4}{5}x - 1\frac{1}{2} \quad \left\{-3\frac{1}{2}\right\}$$

$$355) 1\frac{7}{8}m + 4\frac{1}{2} = \frac{3}{5}m + \frac{1497}{140} \quad \left\{4\frac{6}{7}\right\}$$

$$356) \frac{5}{9}a + 4\frac{5}{6} = 10\frac{617}{630} - \frac{7}{5}a \quad \left\{3\frac{1}{7}\right\}$$

$$357) \frac{5}{6}b - 1\frac{1}{2}b = -2\frac{2}{21} + 1\frac{1}{3}b + \frac{8}{3} - 4\frac{4}{7} \quad \{2\}$$

$$358) 2\frac{2}{3}x + 2 = \frac{37}{3} + 5\frac{1}{3}x \quad \left\{-3\frac{7}{8}\right\}$$

$$359) x + \frac{3}{4} = \frac{3}{2} + \frac{1}{2}x \quad \left\{1\frac{1}{2}\right\}$$

$$360) 1\frac{1}{6}k - \frac{5}{2} = -\frac{191}{36} + 5\frac{3}{8}k \quad \left\{\frac{2}{3}\right\}$$

$$361) 3a + \frac{17}{3} - 1\frac{1}{2}a = a + \frac{103}{24} \quad \left\{-2\frac{3}{4}\right\}$$

$$362) -\frac{13}{7}r + r = \frac{201}{280} + \frac{1}{10}r \quad \left\{-\frac{3}{4}\right\}$$

$$363) \frac{11}{6}n - \frac{9}{4} = -\frac{79}{42} + \frac{2}{3}n + \frac{3}{7}n \quad \left\{\frac{1}{2}\right\}$$

$$364) \frac{5}{9}b + \frac{3}{7} = 4\frac{2}{21} - \frac{4}{9}b \quad \left\{3\frac{2}{3}\right\}$$

$$365) \frac{3}{4}p + 1\frac{2}{3} = \frac{22}{9} - p \quad \left\{\frac{4}{9}\right\}$$

$$366) \frac{1}{6}p + 4\frac{7}{10} + 3\frac{1}{6} = \frac{2083}{240} + \frac{3}{5}p \quad \left\{-1\frac{7}{8}\right\}$$

$$367) \frac{3}{4}x + 3\frac{1}{3}x = -2\frac{101}{105} - 1\frac{1}{10}x \quad \left\{-\frac{4}{7}\right\}$$

$$368) \frac{37}{9}k + 1 = -10\frac{74}{81} + \frac{29}{8}k + \frac{19}{6}k \quad \left\{4\frac{4}{9}\right\}$$

$$369) -3\frac{1}{2}n + \frac{14}{9} = -\frac{11479}{900} - \frac{4}{5}n \quad \left\{5\frac{3}{10}\right\}$$

$$370) x - 1\frac{1}{8} - 2\frac{5}{6}x = -2\frac{7}{96} - \frac{3}{4}x \quad \left\{\frac{7}{8}\right\}$$

$$371) -3\frac{1}{6}m + 3 + 1\frac{4}{7} = \frac{1573}{168} - 1\frac{1}{4}m \quad \left\{-2\frac{1}{2}\right\}$$

$$372) 3\frac{4}{9}k + 1 = -\frac{39}{10}k + \frac{11}{7}k + 8\frac{659}{945} \quad \left\{1\frac{1}{3}\right\}$$

$$373) \frac{2}{3}n + \frac{1}{4} = 5\frac{149}{420} + \frac{6}{5}n \quad \left\{-9\frac{4}{7}\right\}$$

$$374) x + 3\frac{6}{7} + \frac{11}{2}x = 7\frac{27}{56} + 5\frac{7}{8}x \quad \left\{5\frac{4}{5}\right\}$$

$$375) 2b - \frac{4}{3} = -\frac{4}{3} + \frac{21}{4}b - 3\frac{4}{7}b$$

$$376) 2n - 1\frac{7}{8} - \frac{16}{9}n = 2\frac{17}{24} - n \quad \left\{3\frac{3}{4}\right\}$$

{0}

$$377) 2\frac{1}{9}x + 1 = -11\frac{71}{162} - \frac{3}{2}x \quad \left\{-3\frac{4}{9}\right\}$$

$$378) -\frac{1}{3}n + \frac{8}{9}n = -2\frac{233}{630} + 1\frac{6}{7}n - 1\frac{5}{6} + 1\frac{3}{5}$$

{2}

$$379) \frac{3}{10}p + \frac{1}{2} = -\frac{2}{9}p + \frac{1}{3} - \frac{13}{8} + 1\frac{1237}{1800} \quad \left\{-\frac{1}{5}\right\}$$

$$380) -2n + \frac{2}{3}n = -5 - \frac{1}{3}n$$

{5}

$$381) 2p + 3\frac{6}{7} = 16\frac{6}{7} - \frac{11}{3}p - \frac{1}{9}p \quad \left\{2\frac{1}{4}\right\}$$

$$382) k + \frac{13}{4} = k + \frac{13}{4}$$

{ All real numbers. }

$$383) -\frac{7}{2}b + 3\frac{3}{4} = 9\frac{1}{4} - \frac{1}{2}b \quad \left\{-1\frac{5}{6}\right\}$$

$$384) 4\frac{4}{5}m - 2 = -\frac{33}{25} + 3\frac{2}{3}m \quad \left\{\frac{3}{5}\right\}$$

$$385) \frac{13}{7}n - 3\frac{1}{3} = -14\frac{35}{36} + 3\frac{1}{6}n + 1\frac{3}{7} + \frac{2}{3}n \quad \left\{5\frac{1}{6}\right\}$$

$$386) -\frac{1}{9}r + \frac{5}{3} = \frac{2335}{441} + \frac{3}{7}r + 2r \quad \left\{-1\frac{3}{7}\right\}$$

$$387) b + \frac{29}{9} - 1\frac{4}{7}b = 1\frac{7}{8}b - \frac{7}{9}b - \frac{377}{28}$$

$$388) n + \frac{5}{6} = \frac{1327}{1260} - 2\frac{3}{8}n + \frac{3}{10} + 1\frac{5}{9}n \quad \left\{\frac{2}{7}\right\}$$

{10}

$$389) 1\frac{5}{7}v + \frac{7}{3} = \frac{1241}{420} + \frac{5}{8}v + \frac{7}{5}v$$

$$390) b - \frac{9}{5} = 2\frac{5}{9}b - 1\frac{2}{5} + \frac{7}{8} - 16\frac{299}{360}$$

{-2}

{10}

$$391) 1\frac{1}{2}p + 1\frac{1}{4} = \frac{215}{32} + 1\frac{5}{7}p - 9\frac{1}{8} + 1\frac{7}{8}p \quad \left\{1\frac{3}{4}\right\}$$

$$392) a - 1\frac{1}{6} + \frac{1}{2} = \frac{3a - 13}{3}$$

No solution.

$$393) -1\frac{1}{5}n + 1 + \frac{3}{8}n = -\frac{49}{24} + n \quad \left\{ \begin{array}{l} 1 \\ 2 \\ 3 \end{array} \right\}$$

$$394) k + 5\frac{5}{6} = 9\frac{1}{12} + 3\frac{1}{6}k \quad \left\{ \begin{array}{l} -1 \\ 1 \\ 2 \end{array} \right\}$$

$$395) 1\frac{3}{8}a + 1 = 1\frac{3}{8} + a$$

$$\{1\}$$

$$396) 1\frac{2}{3}m + 1 = \frac{187}{72} + 1\frac{1}{4}m \quad \left\{ \begin{array}{l} 3 \\ 5 \\ 6 \end{array} \right\}$$

$$397) -2\frac{2}{9}x + \frac{3}{4} = \frac{3}{4} - 1\frac{2}{3}x$$

$$\{0\}$$

$$398) -\frac{3}{2}b + 1 = \frac{6}{5} - 2\frac{1}{2}b \quad \left\{ \begin{array}{l} 1 \\ 5 \end{array} \right\}$$

$$399) \frac{31}{8}p + \frac{14}{9} = \frac{82}{9} - \frac{11}{8}p + p \quad \left\{ \begin{array}{l} 1 \\ 7 \\ 9 \end{array} \right\}$$

$$400) v + 1\frac{3}{5} - 1\frac{1}{2}v = 6\frac{58}{105} - 1\frac{3}{7}v \quad \left\{ \begin{array}{l} 5 \\ 1 \\ 3 \end{array} \right\}$$

$$401) 133\frac{1591}{1620} = \frac{23}{6}\left(5\frac{4}{9}n + 4\frac{1}{10}\right) \quad \left\{ \begin{array}{l} 5 \\ 2 \\ 3 \end{array} \right\}$$

$$402) -7x + 2\frac{5}{8}\left(-1\frac{9}{10}x + \frac{4}{7}\right) = \frac{8751}{80}$$

$$\{-9\}$$

$$403) 117\frac{17}{30} = -1\frac{3}{5}x + 3\frac{1}{2}\left(\frac{53}{9}x + 1\right)$$

$$\{6\}$$

$$404) 102\frac{11}{18} = 5\left(3\frac{2}{3}x - 1\frac{2}{3}\right) + 4 \quad \left\{ \begin{array}{l} 5 \\ 5 \\ 6 \end{array} \right\}$$

$$405) -\frac{1519}{15} = -9\frac{4}{5}\left(p + \frac{13}{3}\right)$$

$$\{6\}$$

$$406) \frac{13875}{128} = 3\frac{1}{8}\left(-\frac{77}{8}v + 1\right) \quad \left\{ \begin{array}{l} -3 \\ 1 \\ 2 \end{array} \right\}$$

$$407) \frac{1977}{16} = 4\frac{1}{6}\left(\frac{45}{8}n + 1\right) - 3 \quad \left\{ \begin{array}{l} 5 \\ 2 \\ 9 \end{array} \right\}$$

$$408) 5\frac{2}{5}\left(\frac{17}{3}a + 3\frac{1}{6}\right) + 2a = \frac{2783}{15} \quad \left\{ \begin{array}{l} 5 \\ 1 \\ 6 \end{array} \right\}$$

$$409) 4\left(5\frac{1}{2}x - 3\frac{5}{9}\right) = -\frac{1514}{9}$$

$$\{-7\}$$

$$410) -113\frac{5}{32} = -\frac{4}{3}m - \frac{83}{8}\left(m + \frac{3}{4}\right)$$

$$\{9\}$$

$$411) 6\left(2\frac{1}{6}n + \frac{25}{9}\right) = 136\frac{4}{15} \quad \left\{ \begin{array}{l} 9 \\ 1 \\ 5 \end{array} \right\}$$

$$412) 118 = 7\left(n + \frac{38}{7}\right) + 3n$$

$$\{8\}$$

$$413) -\frac{14927}{112} = \frac{23}{8}\left(5\frac{1}{6}r + \frac{1}{7}\right)$$

$$\{-9\}$$

$$414) -\frac{18}{5}\left(\frac{23}{4}b + 1\right) = 182\frac{7}{10}$$

$$\{-9\}$$

$$415) -116\frac{1}{4} = -9\left(-\frac{29}{10}n + \frac{17}{3}\right) \quad \left\{ \begin{array}{l} -2 \\ 1 \\ 2 \end{array} \right\}$$

$$416) -\frac{34624}{315} = \frac{4}{7}a + 5\frac{1}{3}\left(-3\frac{3}{4}a - 1\frac{2}{3}\right) \quad \left\{ \begin{array}{l} 5 \\ 1 \\ 5 \end{array} \right\}$$

$$417) -5\left(\frac{18}{5}x + \frac{7}{2}\right) = -\frac{359}{2}$$

{9}

$$419) 123\frac{187}{900} = 4\frac{9}{10}\left(5\frac{8}{9}x + 1\right) \left\{4\frac{1}{10}\right\}$$

$$421) -3\frac{3}{5}\left(\frac{41}{8}x + \frac{1}{3}\right) = -\frac{1119}{10}$$

{6}

$$423) \frac{14131}{108} = 4\frac{7}{8}\left(2\frac{5}{9}n + 1\right) \left\{10\frac{1}{9}\right\}$$

$$425) -10\left(2m + \frac{57}{10}\right) = -173 \left\{5\frac{4}{5}\right\}$$

$$427) 3\frac{1}{2}\left(5\frac{1}{2}m + 1\right) = 117\frac{3}{40} \left\{5\frac{9}{10}\right\}$$

$$429) 148\frac{31}{40} = \frac{19}{7}k + 5\frac{5}{6}\left(5\frac{1}{4}k + 1\frac{1}{2}\right) \left\{4\frac{1}{5}\right\}$$

$$431) -154\frac{11}{28} = \frac{33}{7}\left(-3\frac{3}{4}r + 1\right)$$

{9}

$$433) \frac{39}{8}\left(5\frac{1}{4}m + \frac{9}{4}\right) = \frac{43641}{320} \left\{4\frac{9}{10}\right\}$$

$$435) -7\left(1\frac{2}{3}p + \frac{11}{6}\right) = \frac{623}{6}$$

{-10}

$$437) -130\frac{12}{25} = 1\frac{2}{5}\left(9a - \frac{16}{5}\right)$$

{-10}

$$439) 108\frac{2}{3} = 2\left(\frac{16}{3}r + 1\right)$$

{10}

$$418) -165\frac{307}{378} = -\frac{10}{9}n + 9\left(-3\frac{4}{7}n + \frac{2}{3}\right) \left\{5\frac{1}{6}\right\}$$

$$420) 4\frac{4}{5}\left(\frac{11}{2}n + 1\frac{2}{5}\right) = \frac{9524}{75} \left\{4\frac{5}{9}\right\}$$

$$422) 110\frac{251}{630} = 4\frac{1}{5}\left(4\frac{1}{2}b - \frac{14}{9}\right) + 3\frac{2}{9}b \left\{5\frac{2}{7}\right\}$$

$$424) -134\frac{151}{180} = \frac{26}{5}\left(-7k - \frac{27}{8}\right) \left\{3\frac{2}{9}\right\}$$

$$426) 6\left(5\frac{5}{6}n + \frac{13}{3}\right) = 148\frac{1}{2} \left\{3\frac{1}{2}\right\}$$

$$428) \frac{21794}{189} = \frac{31}{9}\left(\frac{39}{7}m + 1\right) - 1\frac{1}{7} \left\{5\frac{8}{9}\right\}$$

$$430) -133\frac{517}{1008} = \frac{19}{4}\left(8\frac{3}{7}x - 3\frac{1}{4}\right) - 7\frac{5}{6}x \left\{-3\frac{2}{3}\right\}$$

$$432) \frac{3}{7} + 3\frac{5}{6}\left(5m + 1\frac{3}{5}\right) = \frac{72559}{630} \left\{5\frac{2}{3}\right\}$$

$$434) 10\left(-1\frac{3}{4}p + 1\right) = \frac{380}{3} \left\{-6\frac{2}{3}\right\}$$

$$436) 102\frac{23}{210} = \frac{11}{3}\left(5\frac{3}{10}n + 1\right) - 1\frac{1}{2} \left\{5\frac{1}{7}\right\}$$

$$438) 3\frac{5}{6}\left(-6k + 1\frac{7}{10}\right) + 3\frac{3}{4} = -\frac{5327}{30} \left\{8\frac{1}{6}\right\}$$

$$440) 125\frac{3}{5} = -4\frac{1}{2}\left(-6a + 3\frac{1}{5}\right) - \frac{1}{3}a \left\{5\frac{1}{4}\right\}$$

$$441) 1\frac{7}{9}\left(\frac{21}{2}m + \frac{4}{9}\right) + \frac{7}{8}m = 114\frac{1015}{1296} \quad \left\{5\frac{5}{6}\right\}$$

$$442) 4\frac{5}{8}\left(\frac{47}{8}x - 1\right) + \frac{23}{4}x = 188\frac{13}{64} \quad \left\{5\frac{6}{7}\right\}$$

$$443) \frac{16}{3}\left(\frac{13}{3}k - \frac{15}{4}\right) = \frac{2996}{27} \quad \left\{5\frac{2}{3}\right\}$$

$$444) 9 + 5\frac{4}{7}\left(3\frac{1}{9}b - 1\frac{1}{7}\right) = -\frac{7515}{49}$$

{-9}

$$445) \frac{9}{2}x - 3\left(5\frac{3}{4}x + \frac{2}{7}\right) = 126\frac{9}{14}$$

$$446) \frac{1}{9}a - 6\left(3\frac{5}{9}a + \frac{2}{5}\right) = -108\frac{23}{45}$$

{-10}

{5}

$$447) -\frac{5}{6}b + \frac{57}{10}\left(-3\frac{5}{8}b + 1\right) = -209\frac{31}{120}$$

$$448) -\frac{836}{7} = \frac{11}{3}\left(-3\frac{3}{7}n - 1\frac{5}{7}\right)$$

{10}

{9}

$$449) \frac{11}{4} - 10\left(1\frac{1}{3}r + 2\frac{2}{3}\right) = -117\frac{1}{4}$$

$$450) 5\frac{5}{6}\left(\frac{30}{7}n + 1\right) = \frac{2605}{18} \quad \left\{5\frac{5}{9}\right\}$$

{7}

$$451) \frac{43}{10}\left(-8x - 3\frac{1}{3}\right) = \frac{3053}{30} \quad \left\{-3\frac{3}{8}\right\}$$

$$452) -10\frac{1}{4}\left(\frac{25}{6}n - 2\right) = -161\frac{1}{96} \quad \left\{4\frac{1}{4}\right\}$$

$$453) \frac{103969}{900} = \frac{4}{9} + 3\frac{4}{5}\left(\frac{21}{4}k - \frac{1}{6}\right) \quad \left\{5\frac{4}{5}\right\}$$

$$454) -1\frac{1}{3}\left(-10\frac{2}{9}x + \frac{7}{5}\right) = \frac{604}{5}$$

{9}

$$455) -3\frac{1}{6}\left(-7n - \frac{13}{4}\right) = 116\frac{43}{216} \quad \left\{4\frac{7}{9}\right\}$$

$$456) \frac{7825}{63} = 4\frac{1}{6}\left(3\frac{1}{6}n - 1\frac{6}{7}\right)$$

{10}

$$457) 10\left(\frac{5}{4}x + 6\frac{4}{7}\right) = 114\frac{13}{28} \quad \left\{3\frac{9}{10}\right\}$$

$$458) -\frac{8817}{80} = 4\frac{7}{8} + \frac{33}{8}\left(-2\frac{5}{9}r - \frac{11}{6}\right) \quad \left\{10\frac{1}{5}\right\}$$

$$459) 151\frac{5}{12} = -\frac{23}{8}\left(5\frac{1}{6}n - 1\right)$$

$$460) 148\frac{19}{42} = 4\frac{5}{6}\left(5\frac{3}{4}p - \frac{1}{2}\right) \quad \left\{5\frac{3}{7}\right\}$$

{-10}

$$461) 189\frac{11}{168} = 5\frac{3}{4}\left(5\frac{1}{2}b + 1\frac{5}{7}\right) \quad \left\{5\frac{2}{3}\right\}$$

$$462) \frac{1}{2}r - 8\left(-1\frac{1}{2}r + \frac{4}{7}\right) = -117\frac{1}{14}$$

{-9}

$$463) 111\frac{2}{3} = 10\left(\frac{7}{9}x + 4\frac{1}{6}\right)$$

$$464) 115\frac{53}{270} = 10k + 3\frac{1}{6}\left(5\frac{8}{9}k + 2\right) \quad \left\{3\frac{4}{5}\right\}$$

{9}

$$465) 4\frac{2}{3}\left(2\frac{1}{3}x + \frac{1}{2}\right) = -\frac{959}{9}$$

{-10}

$$467) 120\frac{4}{21} = -6\left(-\frac{32}{9}x + \frac{6}{7}\right) \left\{5\frac{7}{8}\right\}$$

$$469) -372\frac{3}{4} = -7\left(5\frac{1}{2}n - 1\frac{3}{4}\right)$$

{10}

$$471) -3\frac{4}{9}\left(4\frac{1}{5}x + 1\frac{2}{5}\right) = -\frac{9331}{90} \left\{6\frac{5}{6}\right\}$$

$$473) -\frac{9}{4}\left(-9\frac{5}{6}r + 1\right) = \frac{7467}{64} \left\{5\frac{3}{8}\right\}$$

$$475) 204\frac{5}{6} = -3\frac{1}{4}p + 9\left(5\frac{2}{9}p - 3\frac{1}{6}\right) \left\{5\frac{1}{3}\right\}$$

$$477) \frac{41}{9}\left(4\frac{1}{2}x + 2\frac{2}{7}\right) = -176\frac{655}{1008} \left\{-9\frac{1}{8}\right\}$$

$$479) -\frac{679}{5} = 3\frac{2}{5}\left(4\frac{1}{4}p + 1\right) + 5\frac{3}{10}$$

{-10}

$$481) 5\frac{3}{8}\left(-4k - \frac{25}{8}\right) = -135\frac{3}{64} \left\{5\frac{1}{2}\right\}$$

$$483) -\frac{59}{6}\left(2k + 5\frac{3}{8}\right) = -138\frac{43}{48} \left\{4\frac{3}{8}\right\}$$

$$485) -10\left(1\frac{1}{3}x - \frac{1}{2}\right) = 125$$

{-9}

$$487) -120\frac{6}{7} = -3\frac{6}{7}\left(5\frac{5}{6}n + 1\frac{1}{3}\right) \left\{5\frac{1}{7}\right\}$$

$$466) 118\frac{35}{81} = \frac{53}{9}\left(\frac{18}{5}m - \frac{8}{9}\right) \left\{5\frac{5}{6}\right\}$$

$$468) 141\frac{63}{64} = 4\frac{7}{8}\left(\frac{33}{10}r - \frac{31}{8}\right)$$

{10}

$$470) 2\frac{1}{2}\left(5\frac{7}{8}n + 4\frac{3}{8}\right) = -106\frac{9}{16}$$

{-8}

$$472) 2\frac{5}{8}\left(5\frac{1}{2}m + 1\frac{1}{4}\right) = 104\frac{11}{32}$$

{7}

$$474) \frac{49}{10}\left(3\frac{8}{9}n + \frac{4}{9}\right) = \frac{29743}{270} \left\{5\frac{2}{3}\right\}$$

$$476) -113\frac{11}{28} = 2\left(\frac{11}{2}x + \frac{17}{7}\right) \left\{-10\frac{3}{4}\right\}$$

$$478) -204 = 8\left(-2\frac{5}{8}x + \frac{5}{6}\right) - \frac{2}{3}$$

{10}

$$480) 3\frac{1}{2}\left(3\frac{5}{7}x + 1\right) + 1\frac{2}{3}x = -\frac{257}{2}$$

{-9}

$$482) 222\frac{19}{20} = 5\frac{1}{5}\left(8n - 2\frac{1}{8}\right) \left\{5\frac{5}{8}\right\}$$

$$484) 117\frac{3}{4} = -9\left(-3k + \frac{1}{4}\right) \left\{4\frac{4}{9}\right\}$$

$$486) -101\frac{65}{96} = 2n - 3\frac{1}{4}\left(5\frac{1}{4}n + \frac{17}{4}\right) \left\{5\frac{5}{6}\right\}$$

$$488) 116\frac{493}{900} = 5\frac{4}{5}\left(3\frac{4}{9}p + 4\frac{1}{4}\right) \left\{4\frac{3}{5}\right\}$$

$$489) \frac{29435}{216} = 5\frac{5}{6}\left(\frac{29}{9}x + 4\frac{5}{6}\right) \left\{5\frac{3}{4}\right\}$$

$$490) \frac{2407}{12} = \frac{83}{10}\left(4\frac{3}{4}x + 2\right) \left\{4\frac{2}{3}\right\}$$

$$491) -3\frac{1}{7}\left(5\frac{6}{7}v + 1\right) = -103\frac{25}{343} \left\{5\frac{3}{7}\right\}$$

$$492) 144 = 4\left(\frac{35}{6}p + 1\right)$$

{6}

$$493) 4\frac{7}{9}\left(9n - \frac{1}{4}\right) = \frac{31519}{180} \left\{4\frac{1}{10}\right\}$$

$$494) 380\frac{7}{15} = 4\frac{7}{8}\left(-8b + \frac{8}{5}\right) \left\{-9\frac{5}{9}\right\}$$

$$495) -1\frac{1}{2} + 4\frac{3}{8}\left(5\frac{3}{10}p + 1\right) = 134\frac{13}{48} \left\{5\frac{2}{3}\right\}$$

$$496) -107\frac{8}{15} = 4\left(-\frac{29}{10}a + \frac{2}{3}\right) \left\{9\frac{1}{2}\right\}$$

$$497) -\frac{8}{5}\left(9\frac{1}{3}k - 1\right) + \frac{13}{3} = \frac{1657}{15}$$

{-7}

$$498) 5\frac{3}{4}\left(-5b + 1\frac{1}{2}\right) = \frac{989}{8}$$

{-4}

$$499) 4\frac{1}{6}\left(\frac{53}{10}v + \frac{23}{4}\right) = 102\frac{139}{168} \left\{3\frac{4}{7}\right\}$$

$$500) \frac{11}{3}\left(3\frac{1}{7}n + 7\right) = 140\frac{19}{21}$$

{10}

$$501) -1\frac{3}{13}\left(\frac{4}{7}b + 3\frac{3}{4}\right) + \frac{61}{8}\left(\frac{38}{5}b + \frac{1}{3}\right) = -96\frac{2329}{19110} \left\{-1\frac{9}{14}\right\}$$

$$502) -\frac{2}{9}\left(-\frac{9}{5}x + 5\frac{1}{2}\right) - 12\left(x + \frac{3}{7}\right) = -13\frac{155}{252} \left\{\frac{5}{8}\right\}$$

$$503) -3\frac{10}{11}\left(1\frac{3}{4}b - 1\right) + \frac{37}{12}\left(b + 2\frac{5}{6}\right) = 3\frac{2881}{5544} \left\{2\frac{3}{7}\right\}$$

$$504) -\frac{4}{7}\left(x - 1\frac{7}{9}\right) + \frac{1}{3}\left(4\frac{1}{2}x - 1\frac{1}{13}\right) = -\frac{6343}{6552} \left\{-1\frac{3}{4}\right\}$$

$$505) \frac{45}{8}\left(-2\frac{2}{7}n + \frac{5}{2}\right) + \frac{11}{2}\left(-\frac{23}{8}n + 1\right) = 5\frac{51}{224} \left\{\frac{1}{2}\right\}$$

$$506) \frac{1}{2}\left(\frac{7}{12}x + \frac{2}{11}\right) - 10\frac{2}{3}\left(11x - 1\frac{7}{12}\right) = -\frac{170507}{6336} \left\{\frac{3}{8}\right\}$$

$$507) -\frac{1}{7}\left(\frac{92}{13}a + 1\right) + \frac{71}{9}\left(-\frac{1}{13}a + 5\frac{5}{9}\right) = 43\frac{388}{567}$$

{0}

$$508) -\frac{7}{5}\left(7\frac{9}{14}a - \frac{13}{14}\right) + \frac{11}{7}\left(6\frac{3}{5}a + 1\right) = 2\frac{41}{84} \left\{1\frac{1}{6}\right\}$$

$$509) -\frac{4}{5}\left(-1\frac{10}{11}r + \frac{50}{11}\right) - \left(-1\frac{5}{8}r + 1\right) = 4\frac{57}{1760} \left\{2\frac{3}{4}\right\}$$

$$510) \frac{2}{3}\left(5\frac{5}{9}v - 1\right) - 2\left(\frac{71}{10}v + 1\right) = 29\frac{1129}{1620} \left\{-3\frac{1}{12}\right\}$$

$$511) \frac{11}{6} \left(\frac{8}{5}x + 1 \right) + \frac{29}{4} \left(1 \frac{7}{10}x + \frac{7}{12} \right) = -9 \frac{47}{240}$$

$\{-1\}$

$$512) 4 \frac{1}{2} \left(-1 \frac{8}{13}r + 2 \frac{10}{11} \right) - 2 \left(\frac{23}{13}r + 3 \frac{2}{5} \right) = -\frac{207607}{18590} \left\{ 1 \frac{8}{13} \right\}$$

$$513) 1 \frac{1}{12} \left(n + \frac{24}{11} \right) + \frac{1}{2} \left(\frac{1}{3}n + 5 \frac{5}{11} \right) = -\frac{243}{22} \left\{ -12 \frac{10}{11} \right\} \quad 514) -3 \frac{1}{4} \left(-\frac{3}{11}x + 1 \right) - \frac{11}{3} \left(\frac{1}{2}x + 3 \frac{1}{4} \right) = -14 \frac{49}{792} \left\{ -1 \frac{1}{6} \right\}$$

$$515) 1 \frac{11}{12} \left(-3 \frac{3}{14}x + 5 \frac{13}{14} \right) - \frac{1}{10} \left(-2x + 6 \frac{5}{6} \right) = \frac{1443}{70} \left\{ -1 \frac{2}{3} \right\}$$

$$516) 6 \frac{2}{3} \left(6 \frac{4}{5}n + \frac{1}{6} \right) + \frac{6}{7} \left(4 \frac{4}{9}n - \frac{9}{5} \right) = -\frac{4006}{315} \left\{ -\frac{1}{4} \right\} \quad 517) -\frac{19}{12} \left(x + 1 \frac{1}{2} \right) + \frac{1}{3} \left(-\frac{1}{2}x + 1 \frac{2}{9} \right) = 4 \frac{20}{27} \left\{ -3 \frac{5}{6} \right\}$$

$$518) \frac{6}{13} \left(\frac{12}{13}n + 6 \frac{3}{10} \right) + \frac{1}{4} \left(n + \frac{17}{11} \right) = 2 \frac{193}{5005} \left\{ -1 \frac{6}{7} \right\} \quad 519) 5 \left(\frac{4}{9}p + \frac{10}{13} \right) - \frac{23}{13} \left(3 \frac{1}{12}p + 1 \frac{4}{9} \right) = -\frac{101}{52}$$

$\{1\}$

$$520) 2 \frac{11}{13} \left(\frac{3}{4}n + 1 \frac{1}{2} \right) - 3 \frac{2}{13} \left(-3 \frac{9}{10}n + \frac{22}{9} \right) = \frac{374701}{18720} \left\{ 1 \frac{5}{8} \right\}$$

$$521) \frac{11}{5} \left(\frac{4}{13}x - \frac{10}{7} \right) - 1 \frac{2}{7} \left(6 \frac{1}{2}x + 1 \right) = -\frac{31}{7}$$

$\{0\}$

$$522) -1 \frac{7}{10} \left(-11k - \frac{11}{6} \right) - \frac{3}{8} \left(\frac{1}{11}k - 1 \frac{1}{3} \right) = -28 \frac{9067}{14520} \left\{ -1 \frac{8}{11} \right\}$$

$$523) \frac{17}{12} \left(-\frac{1}{2}a + \frac{3}{4} \right) - 2 \left(\frac{7}{13}a + 1 \right) = -2 \frac{1619}{6864} \left\{ \frac{8}{11} \right\} \quad 524) -2 \left(x - \frac{1}{6} \right) + \frac{1}{2} \left(\frac{5}{7}x + 1 \frac{3}{4} \right) = 3 \frac{269}{312} \left\{ -1 \frac{8}{13} \right\}$$

$$525) -\frac{4}{7} \left(\frac{1}{3}n + \frac{23}{4} \right) + \frac{14}{13} \left(\frac{6}{11}n + 1 \frac{2}{9} \right) = -\frac{15955}{9009} \left\{ \frac{1}{2} \right\}$$

$$526) 5 \frac{1}{6} \left(-3 \frac{1}{4}x + 1 \right) - \frac{21}{11} \left(-\frac{16}{5}x + 1 \frac{6}{11} \right) = -3 \frac{3631}{29040} \left\{ \frac{1}{2} \right\}$$

$$527) -\frac{1}{2}\left(-\frac{3}{8}x + 1\right) + \frac{125}{12}\left(-\frac{1}{4}x + 1\frac{1}{4}\right) = 6\frac{7}{24} \left\{3\frac{1}{4}\right\} \quad 528) -1\frac{4}{9}\left(m - \frac{1}{4}\right) - 2\frac{3}{7}\left(6m + \frac{7}{12}\right) = -\frac{7303}{546} \left\{\frac{10}{13}\right\}$$

$$529) 1\frac{4}{5}\left(-1\frac{1}{2}a - \frac{1}{3}\right) - \frac{1}{4}\left(a + \frac{2}{3}\right) = -4\frac{23}{75} \left\{1\frac{1}{5}\right\} \quad 530) \frac{45}{8}\left(-2n + 1\frac{3}{4}\right) + \frac{3}{10}\left(n + 1\frac{1}{2}\right) = -11\frac{97}{160} \left\{2\right\}$$

$$531) -2\frac{7}{11}\left(-\frac{20}{11}x - \frac{4}{7}\right) + \frac{11}{12}\left(\frac{41}{14}x - \frac{19}{7}\right) = 8\frac{90053}{142296} \left\{1\frac{2}{7}\right\}$$

$$532) 2\left(\frac{2}{3}b + \frac{5}{9}\right) + 3\frac{3}{7}\left(b + \frac{62}{11}\right) = 52\frac{2}{11} \left\{6\frac{2}{3}\right\} \quad 533) \frac{29}{8}\left(1\frac{3}{5}r + 6\frac{1}{8}\right) - 2\left(\frac{3}{4}r + 3\frac{11}{12}\right) = 41\frac{361}{2880} \left\{6\frac{2}{9}\right\}$$

$$534) \frac{8}{3}\left(3\frac{3}{7}v - 1\frac{3}{14}\right) + 4\frac{9}{10}\left(\frac{12}{7}v - 1\frac{1}{2}\right) = -24\frac{1307}{2100} \left\{-\frac{4}{5}\right\}$$

$$535) \frac{8}{9}\left(-\frac{19}{10}k - 2\right) - 2\frac{1}{2}\left(\frac{17}{6}k + \frac{4}{5}\right) = -3\frac{7}{9} \left\{0\right\} \quad 536) -\frac{7}{5}\left(m - 3\frac{2}{5}\right) + 1\frac{8}{9}\left(\frac{5}{12}m - \frac{2}{3}\right) = 4\frac{89}{2400} \left\{-\frac{7}{8}\right\}$$

$$537) -2\left(2\frac{5}{6}a + 4\frac{2}{3}\right) + 1\frac{1}{11}\left(11a + 1\frac{1}{5}\right) = -90\frac{59}{165} \left\{-13\right\}$$

$$538) 1\frac{1}{13}\left(n + \frac{37}{10}\right) + 4\frac{3}{11}\left(-3\frac{6}{11}n + 1\right) = 48\frac{25468}{55055} \left\{-2\frac{6}{7}\right\}$$

$$539) 6\frac{2}{5}\left(4\frac{3}{5}n - 1\frac{2}{3}\right) + \frac{43}{3}\left(\frac{25}{4}n + \frac{2}{3}\right) = -60\frac{1121}{1800} \left\{-\frac{1}{2}\right\} \quad 540) \frac{7}{11}\left(k + 1\frac{5}{6}\right) - 1\frac{3}{10}\left(k + \frac{1}{2}\right) = \frac{1511}{4620} \left\{\frac{2}{7}\right\}$$

$$541) 3\frac{6}{11}\left(-\frac{11}{4}x - 1\frac{1}{2}\right) - 2\frac{1}{4}\left(x + \frac{4}{5}\right) = -\frac{1443}{110} \left\{\frac{1}{2}\right\} \quad 542) \frac{3}{5}\left(p + 1\frac{3}{14}\right) - 2\left(p + \frac{4}{3}\right) = -\frac{199}{42} \left\{2\right\}$$

$$543) -1\frac{9}{13}\left(b - \frac{5}{11}\right) - 2\frac{7}{9}\left(b - 1\frac{2}{13}\right) = -1\frac{979}{1170} \left\{1\frac{3}{10}\right\} \quad 544) \frac{53}{7}\left(x - 1\frac{1}{6}\right) - \frac{12}{11}\left(-x + \frac{7}{8}\right) = -\frac{10525}{462} \left\{-1\frac{1}{2}\right\}$$

$$545) 1\frac{2}{3}\left(1\frac{1}{4}m + 1\frac{1}{2}\right) - \frac{14}{5}\left(13m + 2\frac{3}{10}\right) = -62\frac{269}{350} \left\{1\frac{5}{7}\right\}$$

$$546) \frac{9}{8}\left(\frac{6}{7}b - 12\right) - 5\left(b - \frac{12}{13}\right) = -\frac{72595}{4368} \left\{1 \frac{11}{12}\right\} \quad 547) -\frac{4}{5}\left(x + 4\frac{7}{12}\right) + 1\frac{1}{6}\left(-\frac{1}{7}x + 6\frac{2}{5}\right) = \frac{19}{5}$$

{0}

$$548) -\left(\frac{11}{8}x + \frac{19}{14}\right) + 2\left(1\frac{5}{9}x + \frac{3}{2}\right) = -\frac{277}{364} \left\{-1 \frac{5}{13}\right\} \quad 549) -\frac{5}{12}\left(a + 4\frac{1}{2}\right) - 1\frac{4}{7}\left(6\frac{1}{2}a + 1\frac{3}{4}\right) = -83\frac{703}{1176} \left\{7 \frac{3}{7}\right\}$$

$$550) -11\left(1\frac{1}{6}n + 6\frac{1}{5}\right) - \frac{5}{2}\left(\frac{4}{9}n - 14\frac{8}{11}\right) = -127\frac{1979}{7920} \left\{6 \frac{7}{8}\right\}$$

$$551) -\left(14x + 4\frac{1}{2}\right) + 4\frac{5}{6}\left(5\frac{3}{5}x - 2\right) = -11\frac{83}{150} \left\{\frac{1}{5}\right\} \quad 552) 2\left(4\frac{5}{6}b + 1\right) + 2\frac{3}{11}\left(7\frac{3}{4}b + 7\frac{5}{8}\right) = 62\frac{367}{1848} \left\{1 \frac{4}{7}\right\}$$

$$553) 6\frac{4}{5}\left(-1\frac{4}{5}b + 1\right) - \left(\frac{6}{5}b - 2\right) = -\frac{508}{25} \left\{2 \frac{1}{6}\right\} \quad 554) \frac{39}{7}\left(\frac{1}{6}x + 1\right) + 3\frac{2}{7}\left(1\frac{2}{3}x - 11\right) = -34\frac{11}{546} \left\{-\frac{7}{13}\right\}$$

$$555) \frac{33}{14}\left(-2\frac{3}{7}n + \frac{7}{9}\right) + \frac{9}{14}\left(3\frac{1}{7}n + 1\right) = -4\frac{733}{1176} \left\{1 \frac{11}{12}\right\}$$

$$556) -\frac{2}{5}\left(-\frac{21}{13}n - \frac{3}{5}\right) - \frac{43}{13}\left(6\frac{3}{14}n + 5\frac{3}{10}\right) = -\frac{195344}{2275} \left\{3 \frac{4}{9}\right\}$$

$$557) -2\frac{7}{8}\left(1\frac{7}{11}x + 1\right) + \frac{8}{5}\left(x + 2\frac{1}{7}\right) = \frac{8191}{6160} \left\{-\frac{1}{4}\right\} \quad 558) -2\frac{11}{12}\left(-\frac{10}{11}x + \frac{55}{7}\right) - 2\left(6\frac{3}{5}x + \frac{1}{2}\right) = -\frac{2941}{220}$$

{-1}

$$559) 7\frac{7}{9}\left(6\frac{1}{6}m + 9\right) - \frac{4}{5}\left(4\frac{2}{7}m - 3\right) = -16\frac{632}{945} \quad 560) -2\left(3\frac{10}{11}b + 1\frac{5}{8}\right) + 4\frac{8}{11}\left(-\frac{2}{3}b + \frac{1}{2}\right) = \frac{4589}{132} \left\{-3 \frac{1}{4}\right\}$$

{-2}

$$561) \frac{4}{13}\left(\frac{31}{9}v - \frac{7}{12}\right) + \frac{8}{9}\left(3\frac{1}{10}v - 1\frac{5}{12}\right) = -\frac{15917}{1755} \quad 562) \frac{61}{10}\left(r + \frac{3}{4}\right) + 12\left(r + 5\frac{1}{14}\right) = \frac{2021}{210} \left\{-3 \frac{1}{12}\right\}$$

{-2}

$$563) -\frac{26}{11}\left(x - 1\frac{11}{12}\right) + 3\left(-3\frac{3}{4}x - \frac{4}{5}\right) = 23\frac{301}{330} \left\{-1 \frac{3}{5}\right\}$$

$$564) -\frac{8}{5}\left(-1\frac{2}{13}x + 12\frac{3}{10}\right) + 3\frac{3}{5}\left(7\frac{1}{12}x + \frac{31}{9}\right) = -45\frac{367}{650} \left\{-1 \frac{2}{5}\right\}$$

$$565) -\frac{2}{3}\left(\frac{12}{7}n - \frac{3}{2}\right) + \frac{8}{11}\left(-\frac{19}{6}n + \frac{35}{8}\right) = 8\frac{764}{1155} \left\{-1\frac{3}{10}\right\} \quad 566) -\frac{11}{14}\left(4\frac{9}{14}k + \frac{3}{4}\right) - \left(-1\frac{2}{5}k + 1\frac{3}{10}\right) = -6\frac{151}{392}$$

{2}

$$567) 7\frac{4}{7}\left(x + \frac{1}{10}\right) + 4\frac{1}{7}\left(-2\frac{7}{8}x + 3\frac{1}{12}\right) = 6\frac{251}{840} \left\{1\frac{2}{3}\right\}$$

$$568) 1\frac{1}{2}\left(\frac{14}{11}b - 1\frac{1}{5}\right) + 1\frac{11}{14}\left(13\frac{3}{7}b + 1\right) = -86\frac{34949}{37730} \left\{-3\frac{5}{14}\right\}$$

$$569) \frac{10}{9}\left(\frac{5}{4}a + 14\right) + \frac{3}{5}\left(\frac{5}{9}a - 1\right) = \frac{6991}{540} \left\{-1\frac{1}{6}\right\}$$

$$570) 5\frac{1}{6}\left(r + \frac{103}{14}\right) + 2\frac{3}{4}\left(4\frac{9}{14}r - \frac{45}{14}\right) = -39\frac{83}{144} \left\{-3\frac{5}{6}\right\}$$

$$571) \frac{25}{6}\left(4\frac{5}{13}b + \frac{1}{4}\right) + \frac{1}{2}\left(-1\frac{5}{9}b + 1\right) = \frac{17815}{936}$$

$$572) -1\frac{4}{5}\left(x + 7\frac{13}{14}\right) + \frac{7}{4}\left(x + 4\frac{11}{12}\right) = -5\frac{571}{840} \left\{\frac{1}{4}\right\}$$

{1}

$$573) -\frac{1}{2}\left(-\frac{1}{2}v + \frac{1}{5}\right) - 11\frac{1}{2}\left(2\frac{5}{12}v + \frac{8}{7}\right) = -44\frac{509}{2240} \left\{1\frac{1}{8}\right\}$$

$$574) -\frac{8}{9}\left(n + 1\frac{7}{13}\right) + \frac{3}{2}\left(-1\frac{3}{10}n + 1\right) = \frac{115721}{21060} \left\{-1\frac{8}{9}\right\}$$

$$575) -2\frac{10}{11}\left(-\frac{31}{8}n + \frac{8}{9}\right) + \frac{23}{8}\left(5n + \frac{51}{10}\right) = \frac{1985609}{15840} \left\{4\frac{5}{12}\right\}$$

$$576) -1\frac{5}{6}\left(\frac{11}{2}v + 5\frac{5}{13}\right) + 1\frac{1}{2}\left(1\frac{1}{2}v + \frac{8}{13}\right) = -63\frac{10}{143} \left\{6\frac{10}{11}\right\}$$

$$577) -1\frac{2}{3}\left(-\frac{4}{13}n - 1\frac{1}{6}\right) - 2\left(n + 1\frac{1}{3}\right) = 1\frac{74}{117} \left\{-1\frac{7}{12}\right\} \quad 578) \frac{1}{3}\left(x + 2\frac{9}{14}\right) + 5\frac{3}{4}\left(x - 1\frac{2}{3}\right) = 21\frac{89}{840} \left\{4\frac{9}{10}\right\}$$

$$579) \frac{27}{14}\left(\frac{43}{12}x + 1\right) - \left(\frac{5}{7}x - 1\right) = 9\frac{205}{252} \left\{1\frac{1}{9}\right\}$$

$$580) -10\left(2\frac{5}{8}x - \frac{5}{13}\right) + \frac{75}{14}\left(\frac{1}{3}x + 1\frac{11}{14}\right) = 25\frac{3285}{5096} \left\{-\frac{1}{2}\right\}$$

$$581) -\frac{2}{3}\left(a - \frac{7}{10}\right) + 3\frac{1}{6}\left(\frac{38}{5}a + 7\frac{5}{13}\right) = 20\frac{694}{1365} \left\{-\frac{1}{7}\right\}$$

$$582) -\frac{17}{6}\left(-1\frac{1}{6}n+7\right)+7\frac{5}{7}\left(-13\frac{4}{13}n+\frac{13}{8}\right)=-53\frac{725}{4732}\left\{\frac{6}{13}\right\}$$

$$583) \frac{7}{8}\left(\frac{1}{9}x+14\right)+7\frac{1}{13}\left(-3\frac{1}{6}x+\frac{25}{8}\right)=\frac{43}{48}\left\{\frac{1}{2}\right\} \quad 584) 5\frac{5}{6}\left(6\frac{5}{8}x+3\frac{9}{10}\right)+\frac{1}{2}\left(2\frac{1}{14}x+6\right)=35\frac{901}{1344}\left\{\frac{1}{4}\right\}$$

$$585) -3\frac{1}{12}\left(-\frac{3}{4}p+6\frac{10}{11}\right)-1\frac{1}{2}\left(\frac{3}{4}p+6\frac{1}{2}\right)=-29\frac{1775}{4224}\left\{\frac{3}{8}\right\}$$

$$586) 1\frac{10}{13}\left(-\frac{8}{3}x+1\right)+\frac{4}{13}\left(-\frac{2}{3}x+1\right)=-6\frac{79}{117}\left\{\frac{7}{9}\right\} \quad 587) -2\frac{1}{9}\left(-3\frac{1}{4}p+1\right)-1\frac{2}{13}\left(p-\frac{29}{11}\right)=7\frac{5327}{5577}\left\{\frac{3}{13}\right\}$$

$$588) -10\left(n-1\frac{8}{9}\right)+7\frac{1}{8}\left(\frac{67}{9}n-1\frac{1}{7}\right)=-86\frac{197}{2016}\left\{-2\frac{1}{4}\right\}$$

$$589) -1\frac{6}{7}\left(\frac{38}{11}n+4\frac{2}{9}\right)-11\left(6\frac{10}{11}n+1\frac{11}{14}\right)=-\frac{11560}{99}\left\{1\frac{1}{12}\right\}$$

$$590) 1\frac{8}{11}\left(-\frac{16}{5}b-2\right)+2\left(7\frac{1}{2}b-\frac{2}{3}\right)=-\frac{11009}{1320}\left\{-\frac{3}{8}\right\}$$

$$591) -\frac{22}{7}\left(-\frac{4}{11}b-1\frac{10}{11}\right)+\frac{3}{5}\left(1\frac{2}{3}b+2\frac{3}{10}\right)=5\frac{104}{175}\left\{-\frac{5}{6}\right\}$$

$$592) -1\frac{4}{5}\left(1\frac{1}{3}k+1\right)+\frac{5}{8}\left(-3\frac{5}{12}k+\frac{2}{3}\right)=\frac{19963}{2880}\left\{-1\frac{5}{6}\right\} \quad 593) \frac{61}{14}\left(\frac{9}{11}m-2\frac{5}{13}\right)+\frac{5}{7}\left(-\frac{4}{3}m+\frac{5}{4}\right)=4\frac{26231}{84084}\left\{5\frac{2}{7}\right\}$$

$$594) \frac{2}{13}\left(-1\frac{9}{10}p-\frac{3}{8}\right)+\frac{1}{3}\left(\frac{4}{7}p+\frac{17}{3}\right)=2\frac{1187}{81900}\left\{-1\frac{4}{5}\right\} \quad 595) 2\frac{5}{6}\left(\frac{27}{7}x+12\right)+1\frac{9}{13}\left(x-1\frac{2}{3}\right)=70\frac{205}{2184}\left\{3\frac{1}{12}\right\}$$

$$596) 5\frac{3}{4}\left(-\frac{11}{3}x+2\frac{3}{10}\right)-2\frac{1}{2}\left(\frac{1}{3}x+\frac{1}{7}\right)=36\frac{41}{42}\left\{-1\frac{1}{10}\right\} \quad 597) -1\frac{1}{2}\left(-2x-3\frac{7}{10}\right)+\frac{6}{7}\left(\frac{2}{3}x+1\right)=-\frac{8339}{1820}\left\{-3\frac{1}{13}\right\}$$

$$598) 4\frac{8}{11}\left(\frac{23}{12}m-2\right)+4\frac{1}{4}\left(m-1\frac{7}{8}\right)=-1\frac{793}{1760}\left\{1\frac{1}{5}\right\} \quad 599) -\frac{6}{7}\left(x-1\frac{1}{5}\right)+7\frac{1}{2}\left(x+5\frac{1}{2}\right)=\frac{54627}{1820}\left\{-1\frac{11}{13}\right\}$$

$$600) -3\frac{5}{9}\left(\frac{5}{6}a+1\right)+1\frac{1}{3}\left(a+7\frac{6}{7}\right)=5\frac{55}{189}$$

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$$601) 3\frac{19}{24}\left(3\frac{7}{10}x+1\right)+\frac{49}{39}\left(-\frac{12}{23}x+1\right)=-\frac{290547}{23920} \left\{-1\frac{2}{7}\right\}$$

$$602) 8\frac{5}{7}\left(-\frac{8}{25}a+\frac{341}{24}\right)-\frac{16}{25}\left(-\frac{1}{20}a+\frac{16}{17}\right)=\frac{5182619}{51000} \left\{7\frac{5}{6}\right\}$$

$$603) \frac{498027}{51680}=\frac{10}{17}\left(\frac{3}{25}x+\frac{393}{38}\right)-\frac{9}{34}\left(-\frac{12}{11}x-2\frac{13}{16}\right) \left\{7\frac{31}{38}\right\}$$

$$604) -\frac{25}{14}\left(7\frac{31}{34}x-37\right)-\frac{32}{17}\left(-1\frac{22}{29}x+11\frac{35}{38}\right)=-70\frac{378445}{599488} \left\{10\frac{9}{16}\right\}$$

$$605) \frac{11}{24}\left(\frac{1}{3}x+19\right)+\frac{365}{33}\left(x+\frac{21}{2}\right)=92\frac{19835}{30888} \left\{-2\frac{34}{39}\right\}$$

$$606) \frac{1430503181}{38966720}=-3\frac{17}{32}\left(7\frac{6}{17}x+\frac{1}{29}\right)-\frac{19}{26}\left(-1\frac{1}{5}x+1\right) \left\{-1\frac{486120797}{977602934}\right\}$$

$$607) 134\frac{86993}{212976}=-1\frac{17}{36}\left(12n+7\frac{4}{17}\right)+4\frac{5}{12}\left(9n+\frac{14}{29}\right) \left\{6\frac{17}{36}\right\}$$

$$608) -20\frac{330}{833}=-25\frac{2}{7}\left(\frac{17}{3}x+\frac{11}{21}\right)+12\frac{6}{11}\left(\frac{433}{23}x+26\right) \left\{-3\frac{10}{17}\right\}$$

$$609) \frac{1698729}{741520}=\frac{15}{23}\left(v+\frac{194}{13}\right)-\frac{7}{8}\left(\frac{4}{31}v+10\frac{8}{15}\right) \left\{3\frac{7}{24}\right\} 610) 35\left(\frac{581}{32}k-\frac{1}{4}\right)+2\left(k-\frac{13}{20}\right)=\frac{276237}{2960} \left\{\frac{6}{37}\right\}$$

$$611) \frac{137}{16}\left(a+9\frac{1}{11}\right)+8\left(a-1\frac{17}{33}\right)=\frac{233875}{4224} \left\{-\frac{5}{8}\right\}$$

$$612) 134\frac{4067887}{6996080}=8\frac{24}{31}\left(15\frac{17}{20}b+1\frac{9}{31}\right)+10\frac{1}{14}\left(b-\frac{7}{24}\right) \left\{\frac{11}{13}\right\}$$

$$613) -11 \frac{183929}{480480} = 1 \frac{5}{28} \left(1 \frac{23}{39} p - \frac{9}{8} \right) - 7 \left(6 \frac{9}{11} p + 1 \right) \left\{ \frac{1}{15} \right\}$$

$$614) -\frac{21710499}{2693600} = 15 \frac{26}{35} \left(x + \frac{23}{26} \right) - \frac{9}{25} \left(7 \frac{17}{37} x + 1 \right) \left\{ -1 \frac{21}{32} \right\}$$

$$615) -\frac{23}{28} \left(\frac{5}{16} x - 1 \frac{33}{35} \right) + \frac{27}{28} \left(\frac{4}{21} x + \frac{3}{7} \right) = \frac{35479}{39200} \left\{ 15 \frac{3}{25} \right\}$$

$$616) 1 \frac{5}{39} \left(n + 2 \frac{8}{15} \right) + 1 \frac{9}{17} \left(2 \frac{4}{13} n + 13 \frac{26}{27} \right) = \frac{629762}{29835} \left\{ -\frac{2}{3} \right\}$$

$$617) 19 \frac{12}{37} \left(-\frac{9}{20} r + 15 \right) + \frac{3}{11} \left(1 \frac{3}{5} r + \frac{29}{30} \right) = 263 \frac{121729}{309320} \left\{ 3 \frac{9}{38} \right\}$$

$$618) \frac{52587002}{213675} = \frac{658}{37} \left(14 \frac{2}{3} n + \frac{58}{33} \right) + \frac{204}{35} \left(\frac{26}{37} n - 12 \right) \left\{ 1 \frac{3}{40} \right\}$$

$$619) \frac{4}{7} \left(\frac{1}{4} a + \frac{3}{4} \right) + 14 \frac{6}{11} \left(a + \frac{2}{3} \right) = 64 \frac{5527}{7392} \left\{ 3 \frac{23}{32} \right\} \quad 620) 14 \frac{4}{13} \left(k + 16 \frac{23}{36} \right) + \frac{5}{3} \left(k - \frac{65}{34} \right) = 227 \frac{346}{561} \left\{ -\frac{5}{11} \right\}$$

$$621) 24 \frac{5023}{14400} = -2 \left(19 \frac{5}{12} x + \frac{133}{9} \right) + 14 \frac{17}{40} \left(\frac{3}{5} x + 6 \frac{7}{8} \right) \left\{ 1 \frac{1}{2} \right\}$$

$$622) \frac{60979853}{347130} = 15 \frac{10}{29} \left(-1 \frac{19}{35} x + 12 \frac{5}{38} \right) + 13 \frac{3}{20} \left(-1 \frac{7}{36} x - \frac{51}{38} \right) \left\{ -\frac{2}{11} \right\}$$

$$623) 1 \frac{16}{37} \left(k - \frac{1}{13} \right) + 1 \frac{13}{40} \left(k + \frac{319}{18} \right) = \frac{172887113}{6580080} \left\{ 1 \frac{1}{19} \right\}$$

$$624) -122 \frac{9721}{16632} = 6 \frac{20}{27} \left(3 \frac{10}{13} b - 17 \right) - \frac{3}{2} \left(b + \frac{683}{33} \right) \left\{ \frac{27}{28} \right\}$$

$$625) 9 \frac{19}{22} \left(4 \frac{19}{40} v + 6 \frac{1}{10} \right) + 9 \frac{1}{9} \left(\frac{3}{16} v + 7 \frac{1}{17} \right) = 80 \frac{586103}{1077120} \left\{ -\frac{23}{24} \right\}$$

$$626) \frac{307}{17} \left(17 \frac{8}{13} n + 1 \right) - \frac{74}{21} \left(9 \frac{4}{9} n + \frac{1}{7} \right) = -5 \frac{1689928}{7309575} \left\{ -\frac{2}{25} \right\}$$

$$627) 2 \frac{4}{403} = 1 \frac{5}{12} \left(20 \frac{19}{30} n + \frac{12}{31} \right) + 1 \frac{6}{13} \left(1 \frac{1}{6} n + 1 \right)$$

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$$628) 110 \frac{23901}{38038} = 4 \frac{5}{7} \left(m + \frac{710}{39} \right) + \frac{2}{3} \left(\frac{174}{11} m + \frac{689}{38} \right) \left\{ \frac{5}{6} \right\}$$

$$629) \frac{1}{2} \left(-\frac{1}{20} k + 8 \frac{1}{16} \right) + \frac{60}{29} \left(\frac{11}{15} k + \frac{41}{38} \right) = 6 \frac{144777}{299744} \left\{ \frac{5}{34} \right\}$$

$$630) \frac{25}{28} \left(\frac{383}{26} n - \frac{1}{2} \right) + \frac{397}{36} \left(1 \frac{2}{11} n + 20 \frac{1}{30} \right) = 223 \frac{174431}{180180} \left\{ \frac{2}{15} \right\}$$

$$631) -2 \frac{3}{32} \left(n - \frac{10}{11} \right) + \frac{8}{15} \left(\frac{1}{3} n + 7 \frac{7}{10} \right) = -\frac{11818549}{356400} \left\{ 20 \frac{4}{9} \right\}$$

$$632) 3 \frac{2}{21} \left(1 \frac{1}{4} a + 18 \frac{4}{5} \right) + 14 \frac{9}{16} \left(a + \frac{51}{8} \right) = 161 \frac{11871}{17024} \left\{ \frac{11}{19} \right\}$$

$$633) 44 \frac{33007}{748000} = 2 \frac{1}{25} \left(m + \frac{215}{16} \right) - \frac{7}{20} \left(-\frac{19}{11} m + \frac{56}{17} \right) \left\{ 6 \frac{29}{40} \right\}$$

$$634) -182 \frac{4849}{7980} = -26 \left(-1 \frac{3}{19} r + 14 \frac{17}{24} \right) + 22 \left(r + 5 \frac{11}{35} \right) \left\{ 1 \frac{13}{22} \right\}$$

$$635) 102 \frac{222267}{911680} = 27 \left(6x + \frac{30}{37} \right) + 1 \frac{9}{10} \left(12 \frac{3}{28} x - \frac{63}{32} \right) \left\{ \frac{5}{11} \right\}$$

$$636) \frac{1849793}{37536} = -1 \frac{3}{23} \left(6 \frac{7}{12} m - 39 \right) + \frac{29}{16} \left(m + \frac{5}{2} \right) \left\{ -\frac{2}{17} \right\}$$

$$637) -\frac{35}{18} \left(\frac{16}{15} p + 29 \frac{1}{32} \right) + \frac{10}{11} \left(1 \frac{1}{23} p + 14 \frac{1}{4} \right) = -\frac{2972297}{57024} \left\{ 7 \frac{2}{3} \right\}$$

$$638) -\frac{14420073}{492745} = -\frac{8}{31}\left(7\frac{31}{34}p - 9\right) + \frac{2}{15}\left(p - \frac{7}{22}\right) \left\{16\frac{9}{17}\right\}$$

$$639) \frac{10}{21}\left(\frac{43}{6}p + \frac{85}{16}\right) - \frac{1}{2}\left(-1\frac{6}{19}p + \frac{575}{33}\right) = 48\frac{1977389}{2844072} \left\{13\frac{13}{27}\right\}$$

$$640) 12\frac{1}{30}\left(\frac{1}{8}x + \frac{199}{12}\right) - \frac{2}{9}\left(19x - \frac{1}{17}\right) = 200\frac{14783}{195840} \left\{-\frac{3}{16}\right\}$$

$$641) \frac{25}{32}\left(\frac{585}{37}a - 1\frac{1}{2}\right) + \frac{47}{34}\left(a + 9\frac{11}{35}\right) = 39\frac{3495119}{4226880} \left\{2\frac{1}{21}\right\}$$

$$642) 3\frac{25}{26}\left(\frac{103}{6}m + 1\right) - \frac{2}{9}\left(\frac{18}{25}m + 1\frac{1}{7}\right) = 388\frac{13969}{81900} \left\{5\frac{2}{3}\right\}$$

$$643) 1\frac{7}{36}\left(-\frac{4}{25}x + \frac{28}{29}\right) - \frac{2}{3}\left(-\frac{11}{12}x + 1\right) = 7\frac{3641}{13050} \left\{16\frac{5}{29}\right\}$$

$$644) -\frac{5228737}{62790} = -\frac{1}{2}\left(14\frac{1}{2}n + 1\frac{5}{6}\right) - \frac{56}{23}\left(14\frac{37}{40}n + 5\frac{9}{13}\right) \left\{1\frac{4}{7}\right\}$$

$$645) 4\frac{5}{26}\left(4\frac{13}{28}b + 1\frac{10}{13}\right) + 20\frac{1}{4}\left(\frac{6}{29}b + 1\frac{5}{7}\right) = \frac{147965801}{378560} \left\{-1\frac{215028147}{251460040}\right\}$$

$$646) 84\frac{146}{10125} = -1\frac{9}{25}\left(1\frac{4}{21}p + \frac{6}{5}\right) + 4\frac{13}{25}\left(1\frac{7}{18}p + \frac{359}{28}\right) \left\{5\frac{17}{18}\right\}$$

$$647) 18\frac{1}{3}\left(\frac{4}{5}p + \frac{55}{3}\right) + 6\frac{7}{30}\left(p + \frac{33}{7}\right) = 319\frac{2431}{2520} \left\{-2\frac{5}{28}\right\}$$

$$648) -\frac{82840784}{651015} = -\frac{50}{17}\left(13\frac{29}{36}x + 17\frac{12}{35}\right) - \frac{1}{10}\left(2\frac{20}{37}x - \frac{31}{21}\right) \left\{1\frac{20}{23}\right\}$$

$$649) \frac{5}{9}\left(-\frac{3}{2}x + 1\right) + 17\frac{5}{18}\left(x - 1\frac{12}{25}\right) = 52\frac{859}{5850} \left\{4\frac{9}{13}\right\}$$

$$650) -28 \frac{1663271}{2256852} = 10 \frac{32}{37} \left(2 \frac{1}{34} n + \frac{1}{4} \right) + 19 \frac{1}{36} \left(2n + 3 \frac{2}{13} \right) \left\{ -1 \frac{12}{23} \right\}$$

$$651) \frac{125}{8} \left(30p - \frac{3}{17} \right) - 1 \frac{2}{9} \left(p + \frac{32}{21} \right) = 37 \frac{249589}{282744} \left\{ \frac{1}{11} \right\} \quad 652) \frac{271253}{121550} = \frac{1}{2} \left(\frac{3}{17} r + 2 \frac{5}{11} \right) + \frac{7}{5} \left(-\frac{19}{10} r + 1 \right) \left\{ \frac{2}{13} \right\}$$

$$653) -34 \frac{27614447}{49598120} = \frac{27}{40} \left(-\frac{7}{13} x + 1 \frac{18}{29} \right) + \frac{181}{22} \left(1 \frac{1}{3} x + 18 \frac{21}{23} \right) \left\{ -15 \frac{37711853}{121396001} \right\}$$

$$654) -2 \frac{27}{38} \left(-1 \frac{1}{19} a + 6 \frac{1}{11} \right) - 1 \frac{5}{16} \left(\frac{279}{38} a + \frac{146}{9} \right) = -\frac{113802617}{2668512} \left\{ \frac{5}{7} \right\}$$

$$655) 111 \frac{459}{784} = 1 \frac{2}{7} \left(n + \frac{23}{16} \right) + \frac{241}{28} \left(17n + \frac{1}{2} \right) \left\{ \frac{5}{7} \right\} \quad 656) -35 \frac{18164}{55055} = -\frac{87}{22} \left(m - \frac{41}{26} \right) - \frac{3}{4} \left(1 \frac{1}{5} m + 1 \frac{2}{7} \right) \left\{ 8 \frac{4}{11} \right\}$$

$$657) -311 \frac{141897}{395200} = 10 \frac{29}{38} \left(1 \frac{10}{17} r + \frac{39}{25} \right) - \frac{27}{34} \left(\frac{8}{19} r - \frac{9}{13} \right) \left\{ 18 \frac{17}{32} \right\}$$

$$658) -\frac{4}{23} \left(-\frac{35}{39} x - 2 \frac{3}{28} \right) - 3 \frac{14}{29} \left(x + \frac{7}{10} \right) = 1 \frac{1330087}{1820910} \left\{ -1 \frac{1}{7} \right\}$$

$$659) 10 \frac{5}{22} \left(14 \frac{37}{40} n + 18 \right) + \frac{99}{19} \left(\frac{15}{8} n + \frac{309}{22} \right) = \frac{1660311}{6688} \left\{ -\frac{1}{18} \right\}$$

$$660) \frac{1}{2} \left(10a + 10 \frac{7}{11} \right) + \frac{2}{9} \left(a + 17 \frac{5}{16} \right) = \frac{55163}{616} \left\{ 15 \frac{11}{28} \right\}$$

$$661) -51 \frac{100977}{142120} = -\frac{15}{22} \left(4 \frac{7}{38} r + 1 \frac{2}{17} \right) - 1 \frac{8}{19} \left(r + 4 \frac{9}{20} \right) \left\{ 10 \frac{15}{34} \right\}$$

$$662) \frac{3}{2} \left(-1 \frac{4}{5} a + 16 \frac{6}{7} \right) + 6 \frac{13}{19} \left(-\frac{5}{9} a + 1 \right) = -54 \frac{369629}{478800} \left\{ 13 \frac{21}{40} \right\}$$

$$663) 4 \frac{3}{32} \left(-\frac{3}{4} x - \frac{1}{26} \right) + \frac{45}{4} \left(-\frac{3}{8} x - 1 \frac{23}{37} \right) = -18 \frac{297611}{369408} \left\{ \frac{1}{18} \right\}$$

$$664) -2\frac{18}{19}\left(\frac{128}{37}n + \frac{114}{13}\right) + \frac{13}{36}\left(1\frac{2}{5}n + 1\frac{2}{9}\right) = 18\frac{20521261}{74025900} \left\{ \begin{array}{l} 1 \frac{68800153}{143473239} \end{array} \right\}$$

$$665) 20\frac{6}{13}\left(\frac{8}{7}p + 1\right) - \frac{24}{29}\left(p + 19\frac{11}{12}\right) = -74\frac{366}{377} \left\{ \begin{array}{l} -3 \frac{1}{2} \end{array} \right\}$$

$$666) -111\frac{34053}{40300} = \frac{1}{4}\left(-1\frac{9}{25}n + 1\frac{8}{15}\right) - 26\frac{19}{31}\left(6\frac{29}{30}n - \frac{17}{39}\right) \left\{ \begin{array}{l} 2 \\ 3 \end{array} \right\}$$

$$667) \frac{27518293}{195300} = -\left(8x + 12\frac{17}{28}\right) + 17\frac{4}{9}\left(\frac{336}{31}x + 15\frac{18}{25}\right) \left\{ \begin{array}{l} -2 \\ 3 \end{array} \right\}$$

$$668) -244\frac{34963}{56784} = 29\left(7\frac{13}{14}b + \frac{1}{14}\right) + \frac{131}{26}\left(4\frac{10}{39}b + 7\frac{1}{6}\right) \left\{ \begin{array}{l} -1 \frac{1}{8} \end{array} \right\}$$

$$669) 21\frac{609757}{2983500} = \frac{79}{10}\left(-1\frac{17}{36}k + 1\frac{12}{25}\right) - \frac{53}{34}\left(k - \frac{6}{13}\right) \left\{ \begin{array}{l} -2 \\ 3 \end{array} \right\}$$

$$670) 174\frac{267583}{342720} = \frac{1}{8}\left(k + 3\frac{11}{36}\right) + 14\frac{15}{34}\left(k + 3\frac{29}{35}\right) \left\{ \begin{array}{l} 8 \frac{7}{40} \end{array} \right\}$$

$$671) -102\frac{174193}{208845} = 7\frac{9}{17}\left(-1\frac{17}{28}a + \frac{9}{13}\right) + 4\frac{13}{30}\left(16\frac{13}{21}a - \frac{11}{9}\right) \left\{ \begin{array}{l} -1 \frac{2}{3} \end{array} \right\}$$

$$672) \frac{1037}{16368} = -\frac{7}{31}\left(v + 18\frac{5}{16}\right) + 9\frac{11}{15}\left(-\frac{10}{11}v + 1\frac{4}{11}\right) \left\{ 1 \right\}$$

$$673) 36\frac{849}{1700} = 1\frac{2}{11}\left(12\frac{6}{17}r + 16\frac{4}{17}\right) + \frac{1}{5}\left(-\frac{162}{5}r + 7\frac{10}{11}\right) \left\{ \begin{array}{l} 1 \frac{15}{16} \end{array} \right\}$$

$$674) 14\frac{7}{8}\left(-2x + 10\frac{5}{11}\right) + 1\frac{4}{5}\left(x + \frac{13}{36}\right) = 194\frac{1619}{7920} \left\{ \begin{array}{l} -1 \frac{13}{36} \end{array} \right\}$$

$$675) -\frac{9}{16}\left(1\frac{2}{7}b + 1\right) + 6\frac{27}{35}\left(b + \frac{26}{31}\right) = \frac{831567}{347200} \left\{ \begin{array}{l} -9 \\ 20 \end{array} \right\}$$

$$676) 60 \frac{6619}{15950} = 12 \frac{2}{5} \left(\frac{1}{9}x + \frac{3}{4} \right) + 13 \frac{15}{22} \left(-1 \frac{18}{29}x + 1 \right) \left\{ \begin{array}{l} -1 \frac{4}{5} \\ \end{array} \right\}$$

$$677) -1 \frac{14}{15} \left(3 \frac{3}{4}a + \frac{2}{3} \right) + \frac{539}{34} \left(1 \frac{1}{30}a + \frac{109}{9} \right) = \frac{176133}{1088} \left\{ \begin{array}{l} -3 \frac{5}{32} \\ \end{array} \right\}$$

$$678) \frac{7}{15} \left(v + 5 \frac{3}{14} \right) + \frac{1}{2} \left(10 \frac{3}{17}v + 1 \right) = 8 \frac{1151}{8160} \left\{ \begin{array}{l} 15 \\ 16 \end{array} \right\}$$

$$679) -177 \frac{767579}{1611090} = -1 \frac{31}{36} \left(16 \frac{11}{39}v + 1 \right) - \frac{4}{9} \left(1 \frac{27}{34}v + 8 \frac{39}{40} \right) \left\{ \begin{array}{l} 5 \frac{14}{27} \\ \end{array} \right\}$$

$$680) 228 \frac{1471461}{2894080} = \frac{317}{28} \left(n + 1 \frac{9}{34} \right) + 4 \frac{17}{32} \left(n - 1 \frac{17}{38} \right) \left\{ \begin{array}{l} 13 \frac{37}{40} \\ \end{array} \right\}$$

$$681) \frac{389}{24} \left(b - \frac{2}{3} \right) + 20 \frac{1}{12} \left(-\frac{13}{31}b + 19 \frac{23}{34} \right) = 380 \frac{35699}{75888} \left\{ \begin{array}{l} -1 \\ 2 \end{array} \right\}$$

$$682) -282 \frac{21637}{33150} = \frac{1}{2} \left(\frac{4}{3}v + 6 \frac{1}{25} \right) + 19 \frac{2}{13} \left(-3 \frac{5}{12}v + 1 \right) \left\{ \begin{array}{l} 4 \frac{12}{17} \\ \end{array} \right\}$$

$$683) \frac{1884660193}{162873396} = -\frac{23}{14} \left(-\frac{6}{7}p - 1 \frac{10}{29} \right) + 11 \frac{6}{23} \left(3 \frac{31}{38}p + \frac{5}{27} \right) \left\{ \begin{array}{l} 19584433 \\ 62964662 \end{array} \right\}$$

$$684) -5 \frac{1027533}{12397000} = \frac{11}{14} \left(\frac{185}{23}a + \frac{333}{28} \right) + 2 \frac{14}{25} \left(\frac{1}{2}a + 16 \frac{7}{25} \right) \left\{ \begin{array}{l} 1 \frac{86569502}{117769575} \\ \end{array} \right\}$$

$$685) -\frac{3790943}{44640} = -1 \frac{17}{31} \left(-\frac{1}{2}x + 12 \frac{1}{24} \right) + \frac{115}{9} \left(\frac{329}{16}x + 1 \right) \left\{ \begin{array}{l} -3 \\ 10 \end{array} \right\}$$

$$686) -1 \frac{9}{20} \left(1 \frac{1}{2}x + 6 \frac{17}{18} \right) + \frac{451}{24} \left(x + 5 \frac{1}{6} \right) = 326 \frac{3077}{3600} \left\{ \begin{array}{l} 14 \frac{13}{30} \\ \end{array} \right\}$$

$$687) -73 \frac{571456}{990675} = 2 \left(\frac{335}{37}r + \frac{314}{21} \right) - \frac{334}{15} \left(r + 3 \frac{5}{34} \right) \left\{ \begin{array}{l} 8 \frac{1}{30} \\ \end{array} \right\}$$

$$688) 321 \frac{313}{400} = -3 \frac{1}{40} \left(\frac{98}{5}n + 9 \frac{3}{10} \right) + 27 \frac{1}{2} \left(-\frac{1}{4}n + 10 \frac{7}{22} \right)$$

{-1}

$$689) 106 \frac{11087}{13464} = -1 \frac{10}{11} \left(6 \frac{13}{18}x + \frac{1}{8} \right) + 17 \frac{3}{17} \left(\frac{139}{15}x + 1 \frac{1}{2} \right) \left\{ \begin{array}{l} 5 \\ 9 \end{array} \right\}$$

$$690) 1 \frac{3}{5} \left(12 \frac{5}{26}n + 13 \frac{29}{38} \right) + \frac{115}{17} \left(-\frac{21}{13}n - \frac{8}{19} \right) = 46 \frac{7671}{92378} \left\{ \begin{array}{l} 3 \frac{3}{22} \end{array} \right\}$$

$$691) -342 \frac{13544}{15249} = 16 \frac{15}{26} \left(17 \frac{3}{23}b + 1 \right) + \frac{32}{3} \left(\frac{395}{34}b - 1 \frac{5}{6} \right) \left\{ \begin{array}{l} -5 \\ 6 \end{array} \right\}$$

$$692) 152 \frac{4523}{11440} = 9 \frac{6}{11} \left(k - \frac{2}{5} \right) + 1 \frac{5}{24} \left(\frac{7}{11}k + \frac{121}{26} \right) \left\{ \begin{array}{l} 14 \frac{3}{5} \end{array} \right\}$$

$$693) -1 \frac{1}{4} \left(\frac{809}{39}x + \frac{5}{16} \right) - 1 \frac{5}{8} \left(x + 13 \frac{1}{9} \right) = -21 \frac{401}{576}$$

{0}

$$694) -\frac{6}{7} \left(4 \frac{19}{21}m + 1 \frac{13}{30} \right) + 1 \frac{5}{18} \left(1 \frac{17}{30}m + 1 \right) = -45 \frac{47359}{88200} \left\{ \begin{array}{l} 20 \frac{7}{10} \end{array} \right\}$$

$$695) -1 \frac{4}{9} \left(n - 1 \frac{1}{7} \right) - 1 \frac{1}{2} \left(\frac{72}{5}n + \frac{27}{22} \right) = -14 \frac{1163}{69300} \left\{ \begin{array}{l} 3 \\ 5 \end{array} \right\}$$

$$696) -\frac{147983571}{1016600} = -\frac{1081}{34} \left(\frac{18}{25}p + 3 \right) - \frac{12}{13} \left(p + \frac{627}{32} \right) \left\{ \begin{array}{l} 1 \frac{8}{23} \end{array} \right\}$$

$$697) 10 \frac{3}{32} \left(-2b + 1 \frac{16}{39} \right) + 10 \frac{1}{20} \left(-b + 19 \frac{1}{2} \right) = 246 \frac{15437}{31200} \left\{ \begin{array}{l} -1 \frac{1}{5} \end{array} \right\}$$

$$698) 39 \frac{45}{56} = 2 \frac{31}{40} \left(n + 17 \frac{1}{4} \right) + 4 \frac{3}{5} \left(20 \frac{5}{14}n - 3 \frac{1}{2} \right) \left\{ \begin{array}{l} 1 \\ 12 \end{array} \right\} \quad 699) 9 \frac{3}{8} \left(\frac{13}{14}x + 1 \right) - 2 \frac{17}{21} \left(x + 24 \frac{11}{32} \right) = -259 \frac{107}{224}$$

{-34}

$$700) -1 \frac{3583}{18720} = -26 \frac{4}{9} \left(17 \frac{29}{34}r + 1 \right) - 3 \frac{29}{30} \left(-\frac{1}{7}r + \frac{207}{13} \right) \left\{ \begin{array}{l} 3 \\ -16 \end{array} \right\}$$

$$701) 27 \frac{16}{55} \left(13 \frac{61}{70} r - \frac{61}{99} \right) - 1 \frac{7}{47} \left(r + 28 \frac{50}{51} \right) = - \frac{1700667}{140184550} \left\{ -1 \frac{912532552}{987036795} \right\}$$

$$702) - \frac{14}{97} \left(20 \frac{29}{48} p + 1 \right) + \frac{31}{20} \left(- \frac{9}{43} p - 1 \frac{17}{27} \right) = -8 \frac{2534479}{2723760} \left\{ 1 \frac{346918607}{386292582} \right\}$$

$$703) -64 \frac{2086727}{29189300} = - \frac{3}{25} \left(-46 \frac{7}{92} n + 4 \frac{23}{74} \right) + 13 \frac{2}{49} \left(6 \frac{7}{75} n - 3 \frac{19}{90} \right) \left\{ \frac{632785551}{1814134501} \right\}$$

$$704) - \frac{55716817}{1060752} = \frac{29}{66} \left(16 \frac{11}{28} n + 1 \right) + 1 \frac{37}{98} \left(\frac{3453}{82} n + 1 \right) \left\{ - \frac{5}{6} \right\}$$

$$705) \frac{2783}{100} \left(100k + \frac{129}{5} \right) + \frac{119}{27} \left(k + 36 \frac{37}{40} \right) = -977 \frac{41641}{81000} \left\{ - \frac{2}{3} \right\}$$

$$706) \frac{667482661}{1346609360} = 3 \frac{31}{44} \left(\frac{1013}{66} x + \frac{7}{92} \right) + 25 \frac{1}{97} \left(x + \frac{25}{26} \right) \left\{ \frac{293585240}{1054705343} \right\}$$

$$707) 21 \frac{55}{92} \left(\frac{2229}{68} x + 17 \frac{91}{95} \right) + \frac{17}{78} \left(- \frac{43}{56} x + 3 \right) = 9 \frac{5061297}{5408312} \left\{ -2 \frac{376366949}{562279241} \right\}$$

$$708) 137 \frac{294723}{1640675} = -75 \left(n - \frac{9}{31} \right) - 1 \frac{15}{73} \left(2n + \frac{417}{50} \right) \left\{ -1 \frac{18}{29} \right\}$$

$$709) \frac{241371038}{1250865} = 38 \frac{27}{28} \left(- \frac{44}{65} n - 1 \frac{6}{11} \right) - \frac{109}{57} \left(- \frac{5}{24} n + \frac{33}{70} \right) \left\{ -1 \frac{390613279}{915564159} \right\}$$

$$710) - \frac{2273477}{1429560} = - \frac{1}{19} \left(\frac{3409}{95} x + 31 \frac{25}{36} \right) + 2 \frac{5}{76} \left(11 \frac{1}{2} x + 1 \right) \left\{ - \frac{1}{11} \right\}$$

$$711) 88 \left(- \frac{61}{33} k + 1 \right) - \frac{1}{10} \left(\frac{19}{13} k + 1 \right) = -161 \frac{3613}{16185} \left\{ 1 \frac{44}{83} \right\} 12) \frac{2}{9} \left(15 \frac{1}{14} v + 1 \right) + \frac{23}{27} \left(v + 9 \frac{25}{66} \right) = \frac{461441}{33858} \left\{ 1 \frac{11}{38} \right\}$$

$$713) \frac{48}{47} \left(\frac{537}{97} v + 80 \right) - 1 \frac{2}{3} \left(\frac{19}{71} v + 23 \frac{4}{9} \right) = \frac{122712409}{2522772} \left\{ 1 \frac{13}{84} \right\}$$

$$714) -\frac{189033703}{440109600} = \frac{3}{7}\left(45\frac{1}{67}k + \frac{248}{75}\right) + 43\frac{11}{68}\left(1\frac{35}{92}k + 22\frac{53}{90}\right) \left\{ \begin{array}{l} -1 \\ 6 \end{array} \right\}$$

$$715) -29\frac{42047}{132124} = 50\left(33\frac{34}{67}x - 93\right) + \frac{2264}{51}\left(\frac{1169}{72}x + \frac{19}{29}\right) \left\{ \begin{array}{l} 18 \\ \frac{42097273}{42108148} \end{array} \right\}$$

$$716) 2\frac{556897083}{727792192} = \frac{6}{47}\left(x + 11\frac{30}{61}\right) + 19\frac{11}{72}\left(11\frac{17}{66}x - 80\frac{56}{95}\right) \left\{ \begin{array}{l} -\frac{875412553}{1770634468} \end{array} \right\}$$

$$717) -\frac{43}{37}\left(20\frac{15}{26}m + 34\frac{23}{26}\right) + \frac{22}{57}\left(2\frac{27}{55}m + 44\frac{23}{42}\right) = -\frac{1308271283}{33393906} \left\{ \begin{array}{l} 3 \\ \frac{264087067}{462629563} \end{array} \right\}$$

$$718) -\frac{4}{3}\left(46\frac{5}{27}n + 41\frac{14}{87}\right) - \frac{2}{7}\left(n - 1\frac{5}{7}\right) = 56\frac{1373}{16443} \left\{ \begin{array}{l} -1 \\ 14 \end{array} \right\}$$

$$719) -5\frac{240139}{1026950} = \frac{2}{19}\left(\frac{3}{40}v + \frac{223}{56}\right) + 4\frac{27}{94}\left(\frac{2219}{100}v - \frac{12}{23}\right) \left\{ \begin{array}{l} \frac{98231242}{1559208123} \end{array} \right\}$$

$$720) \frac{1727}{83}\left(\frac{2}{5}a + 18\frac{5}{13}\right) - 1\frac{23}{60}\left(-\frac{114}{29}a + \frac{2}{21}\right) = \frac{415564433}{19713330} \left\{ \begin{array}{l} 5 \\ \frac{36913561}{90423879} \end{array} \right\}$$

$$721) -\frac{1775410453}{20093766} = -\frac{20}{21}\left(\frac{1}{11}p - 1\frac{9}{31}\right) - 1\frac{32}{77}\left(34\frac{31}{61}p + 1\frac{41}{62}\right) \left\{ \begin{array}{l} 1 \\ 23 \end{array} \right\}$$

$$722) -\frac{693755838}{34845695} = -1\frac{10}{67}\left(m + 23\frac{11}{86}\right) + 32\frac{4}{59}\left(8\frac{21}{82}m + 1\right) \left\{ \begin{array}{l} -1 \\ \frac{578803715}{1191171746} \end{array} \right\}$$

$$723) -1\frac{504149183}{909879698} = -92\left(9\frac{49}{52}p + 5\frac{43}{67}\right) - \frac{3}{7}\left(-1\frac{49}{58}p + \frac{39}{62}\right) \left\{ \begin{array}{l} -\frac{36401004}{45488713} \end{array} \right\}$$

$$724) -80\frac{127883}{229680} = 46\frac{13}{20}\left(-1\frac{1}{12}k + 32\frac{9}{58}\right) - 28\left(\frac{11}{14}k + 1\right) \left\{ \begin{array}{l} 21 \\ \frac{40}{99} \end{array} \right\}$$

$$725) -\frac{10017233}{58320} = \frac{1493}{30}\left(-1\frac{4}{9}b + \frac{17}{50}\right) + 31\frac{17}{48}\left(b + \frac{1466}{43}\right) \left\{ \begin{array}{l} 31 \\ \frac{1721432}{59094225} \end{array} \right\}$$

$$726) \frac{4129}{86} \left(9 \frac{17}{62} x + \frac{54}{59} \right) + \frac{51}{46} \left(\frac{1}{2} x + 1 \right) = \frac{71014194}{45222025} \left\{ \begin{array}{l} -\frac{362351809}{480108412} \end{array} \right\}$$

$$727) -74 \frac{961243}{3356160} = -\frac{65}{48} \left(1 \frac{1}{16} x - 1 \frac{6}{13} \right) + \frac{43}{57} \left(-\frac{2}{5} x + 9 \frac{1}{10} \right) \left\{ \begin{array}{l} 47 \frac{35}{46} \end{array} \right\}$$

$$728) \frac{31}{74} \left(-\frac{1}{8} b - 1 \frac{6}{19} \right) - 1 \frac{44}{93} \left(\frac{14}{15} b - \frac{8}{13} \right) = -\frac{1597851817}{566606576} \left\{ \begin{array}{l} 1 \frac{436405228}{1472590267} \end{array} \right\}$$

$$729) \frac{91}{87} \left(\frac{346}{11} p + 37 \frac{53}{72} \right) + 49 \frac{20}{39} \left(51 \frac{71}{91} p + 1 \right) = 13 \frac{63305419}{81513432} \left\{ \begin{array}{l} -1 \frac{39005730}{75709133} \end{array} \right\}$$

$$730) \frac{339}{14} \left(5 \frac{3}{56} k + 2 \frac{37}{89} \right) + \frac{76}{45} \left(1 \frac{7}{47} k + 26 \frac{36}{37} \right) = -\frac{309966919}{354318800} \left\{ \begin{array}{l} \frac{184865945}{1593554789} \end{array} \right\}$$

$$731) -12 \frac{37}{70} \left(-1 \frac{2}{3} p + 42 \frac{6}{7} \right) + 15 \frac{19}{20} \left(p + \frac{199}{23} \right) = 698 \frac{200099}{1115730} \left\{ \begin{array}{l} -22 \frac{12895805}{27395599} \end{array} \right\}$$

$$732) 200 \frac{432957}{549524} = 19 \frac{18}{47} \left(2 \frac{4}{17} n - 2 \frac{1}{5} \right) + 44 \frac{29}{80} \left(36 \frac{1}{3} n + 39 \frac{61}{79} \right) \left\{ \begin{array}{l} -69 \frac{1126633}{3393509} \end{array} \right\}$$

$$733) 157 \frac{1030127}{1082400} = -\frac{7}{30} \left(8 \frac{43}{80} k - 1 \frac{9}{40} \right) + \frac{119}{82} \left(38 \frac{38}{55} k + 60 \right) \left\{ \begin{array}{l} 1 \frac{17790092}{58619449} \end{array} \right\}$$

$$734) 2 \frac{13819433}{53135355} = -1 \frac{5}{13} \left(\frac{1319}{70} b + 46 \frac{18}{67} \right) + \frac{1}{5} \left(b + 29 \frac{76}{83} \right) \left\{ \begin{array}{l} \frac{272178506}{343920045} \end{array} \right\}$$

$$735) \frac{37486171}{1417325} = -47 \left(1 \frac{49}{89} r + 1 \right) + \frac{16}{35} \left(28 \frac{5}{12} r + 9 \frac{18}{35} \right) \left\{ \begin{array}{l} -1 \frac{2}{13} \end{array} \right\}$$

$$736) -\frac{17}{33} \left(m + 50 \frac{11}{20} \right) - 1 \frac{41}{57} \left(22 \frac{14}{57} m - \frac{2}{9} \right) = 51 \frac{1855177}{2144340}$$

$\{-2\}$

$$737) 1 \frac{4}{47} \left(28 \frac{19}{46} x + 46 \frac{37}{85} \right) + \frac{53}{79} \left(\frac{639}{89} x + \frac{29}{80} \right) = \frac{1157683241}{1437311280} \left\{ \begin{array}{l} -1 \frac{1684167}{40060345} \end{array} \right\}$$

$$738) -\frac{8309473}{295152} = -\frac{5}{4}\left(n + \frac{9}{20}\right) - 1\frac{29}{33}\left(7\frac{23}{26}n + 1\frac{37}{43}\right) \left\{ \begin{array}{l} 1 \\ 2 \end{array} \right\}$$

$$739) -1\frac{3}{10}\left(x + \frac{5}{18}\right) + 45\frac{3}{16}\left(31\frac{3}{4}x - 1\frac{38}{45}\right) = -150\frac{4667}{12384} \left\{ \begin{array}{l} -2 \\ 43 \end{array} \right\}$$

$$740) -2\left(-1\frac{2}{3}k + \frac{277}{54}\right) - \frac{38}{63}\left(-1\frac{29}{54}k + 1\right) = 107\frac{56524}{100359} \left\{ \begin{array}{l} 27 \\ 59 \end{array} \right\}$$

$$741) \frac{345}{13}\left(\frac{9}{17}n + 2\frac{1}{33}\right) - \frac{71}{98}\left(1\frac{14}{67}n + \frac{3150}{79}\right) = 1\frac{478933579}{786950642} \left\{ \begin{array}{l} -566315929 \\ 1487745215 \end{array} \right\}$$

$$742) -1\frac{685507133}{1291235820} = 16\frac{15}{86}\left(\frac{1644}{71}b + \frac{179}{14}\right) - 1\frac{15}{53}\left(-\frac{4}{19}b + 18\frac{7}{12}\right) \left\{ \begin{array}{l} 1 \\ 174010981 \end{array} \right\}$$

$$743) 310\frac{1205821}{5486800} = \frac{7}{6}\left(\frac{33}{86}x + \frac{27}{14}\right) + 40\frac{9}{50}\left(29\frac{1}{8}x + 30\frac{17}{22}\right) \left\{ \begin{array}{l} -799408067 \\ 2128375553 \end{array} \right\}$$

$$744) 3\frac{27}{37}\left(16\frac{13}{63}x - 51\frac{11}{28}\right) + \frac{3404}{77}\left(x + 31\frac{49}{60}\right) = -420\frac{317971}{700854} \left\{ \begin{array}{l} -3 \\ 82 \end{array} \right\}$$

$$745) 24\frac{11}{19}\left(-58\frac{2}{11}p - \frac{4}{11}\right) - 2\frac{5}{6}\left(\frac{1889}{64}p + \frac{21}{67}\right) = -9\frac{101608327}{155937408} \left\{ \begin{array}{l} 27173945 \\ 184574889 \end{array} \right\}$$

$$746) 9\left(1\frac{11}{85}n - \frac{33}{68}\right) + 24\frac{9}{43}\left(16n + \frac{744}{35}\right) = \frac{1447867551}{2558500} \left\{ \begin{array}{l} 7 \\ 50 \end{array} \right\}$$

$$747) 1\frac{132505}{243672} = 19\frac{17}{30}\left(1\frac{23}{26}n - 2\frac{48}{71}\right) + 39\frac{15}{38}\left(-\frac{3}{11}n + 1\right) \left\{ \begin{array}{l} 335902395 \\ 604916734 \end{array} \right\}$$

$$748) -32\frac{25191}{35525} = -\frac{25}{29}\left(x + 31\frac{4}{49}\right) + 1\frac{39}{49}\left(x - 3\frac{74}{75}\right) \left\{ \begin{array}{l} 1 \\ 3 \end{array} \right\}$$

$$749) 101\frac{6831589}{19513000} = 42\frac{3}{13}\left(40\frac{18}{19}n + 1\right) + 24\frac{11}{20}\left(7\frac{73}{76}n + 25\frac{37}{100}\right) \left\{ \begin{array}{l} -524672513 \\ 2097719093 \end{array} \right\}$$

$$750) -115 \frac{147881}{167475} = -\frac{92}{29} \left(x + 36 \frac{15}{22} \right) + 1 \frac{33}{35} \left(\frac{11}{9} x - \frac{8}{15} \right) \left\{ \begin{array}{l} -1 \frac{10}{11} \end{array} \right\}$$

$$751) 291 \frac{1160737}{1278225} = 88 \left(27 \frac{8}{23} r - 1 \frac{9}{13} \right) + \frac{2}{5} \left(2 \frac{22}{69} r + 25 \frac{1}{45} \right) \left\{ \begin{array}{l} \frac{17}{95} \end{array} \right\}$$

$$752) -\frac{144427837}{93654496} = 12 \frac{9}{34} \left(\frac{837}{38} r + \frac{14}{13} \right) + 32 \frac{7}{41} \left(6 \frac{8}{9} r + \frac{23}{96} \right) \left\{ \begin{array}{l} \frac{874819429}{1053106588} \end{array} \right\}$$

$$753) \frac{26147509}{42336} = \frac{19}{15} \left(x - \frac{1}{6} \right) + \frac{2495}{84} \left(5 \frac{56}{81} x + \frac{391}{18} \right) \left\{ \begin{array}{l} -\frac{9}{56} \end{array} \right\}$$

$$754) 5 \frac{53}{54} \left(-\frac{5}{32} a + \frac{32}{79} \right) + \frac{17}{44} \left(a - \frac{8}{21} \right) = 3 \frac{1033999}{31534272} \left\{ \begin{array}{l} -1 \frac{8}{21} \end{array} \right\}$$

$$755) 522 \frac{114449}{123690} = 39 \left(n + 1 \frac{3}{19} \right) + \frac{1405}{38} \left(-1 \frac{8}{9} n + \frac{2931}{62} \right) \left\{ \begin{array}{l} 41 \frac{13}{70} \end{array} \right\}$$

$$756) 125 \frac{13817}{27170} = \frac{2}{5} \left(1 \frac{29}{52} m + \frac{15}{8} \right) + \frac{4208}{95} \left(m + \frac{57}{44} \right) \left\{ \begin{array}{l} 1 \frac{1}{2} \end{array} \right\}$$

$$757) 35 \frac{14}{15} \left(\frac{25}{31} m + 58 \right) + 1 \frac{7}{24} \left(m - 1 \frac{6}{7} \right) = 741 \frac{569491}{598920} \left\{ \begin{array}{l} -44 \frac{6}{23} \end{array} \right\}$$

$$758) -38 \frac{212621}{364000} = -\frac{2}{9} \left(p + 1 \frac{16}{35} \right) + 20 \frac{3}{32} \left(-\frac{2}{25} p + 1 \right) \left\{ \begin{array}{l} 31 \frac{58}{65} \end{array} \right\}$$

$$759) -64 \left(1 \frac{2}{15} m + 21 \frac{25}{27} \right) + \frac{3869}{77} \left(18 \frac{27}{50} m + \frac{17}{78} \right) = -6 \frac{50274901}{82432350} \left\{ \begin{array}{l} -\frac{1737762018}{2093330537} \end{array} \right\}$$

$$760) 675 \frac{285401}{520429} = \frac{10}{19} \left(x + \frac{453}{26} \right) + \frac{2451}{77} \left(16 \frac{6}{91} x - 1 \frac{12}{91} \right) \left\{ \begin{array}{l} -\frac{68471091}{732654941} \end{array} \right\}$$

$$761) -120 \frac{13152371}{14108094} = \frac{269}{45} \left(46 \frac{1}{26} n + \frac{29}{21} \right) + 12 \frac{32}{81} \left(-\frac{1}{3} n + 1 \frac{7}{22} \right) \left\{ \begin{array}{l} -\frac{88187051}{102208401} \end{array} \right\}$$

$$762) \frac{987}{38} \left(-\frac{23}{50}x + 25\frac{84}{89} \right) - \frac{3}{4} \left(32\frac{53}{88}x + \frac{3}{7} \right) = 19 \frac{22720427}{29947610} \left\{ \begin{array}{l} -\frac{985126232}{995944313} \end{array} \right\}$$

$$763) \frac{1313}{34} \left(23\frac{67}{70}r + 1 \right) - \frac{66}{49} \left(\frac{7}{54}r - \frac{1}{13} \right) = 55 \frac{1987807}{3118752} \left\{ \begin{array}{l} \frac{263785835}{1539230744} \end{array} \right\}$$

$$764) \frac{45958463}{58800} = 7\frac{4}{15} \left(42\frac{13}{42}x + \frac{3643}{80} \right) + \frac{1}{3} \left(25\frac{11}{21}x - 2 \right) \left\{ \begin{array}{l} 1\frac{3}{7} \end{array} \right\}$$

$$765) -2 \left(1\frac{3}{8}n + 1 \right) + \frac{19}{22} \left(n + \frac{29}{20} \right) = -\frac{2788179}{18040} \left\{ \begin{array}{l} 81\frac{22}{41} \end{array} \right\}$$

$$766) 34\frac{13}{23} \left(\frac{1}{5}x + \frac{162}{97} \right) + 5\frac{5}{32} \left(x + \frac{2766}{55} \right) = \frac{365532921}{1035184} \left\{ \begin{array}{l} 2\frac{86}{87} \end{array} \right\}$$

$$767) 48\frac{25}{84} \left(13\frac{17}{86}n + 17\frac{35}{52} \right) + 27\frac{10}{13} \left(n + \frac{2}{17} \right) = 524 \frac{128659}{532168} \left\{ \begin{array}{l} -\frac{1}{2} \end{array} \right\}$$

$$768) 1\frac{4}{7} \left(1\frac{1}{2}p + \frac{1902}{53} \right) + 1\frac{29}{56} \left(\frac{14}{15}p + 20\frac{1}{2} \right) = \frac{13756523}{160272} \left\{ \begin{array}{l} -\frac{4}{9} \end{array} \right\}$$

$$769) \frac{45002569}{664392} = \frac{27}{19} \left(n + \frac{666}{31} \right) + \frac{53}{76} \left(\frac{1}{3}n + \frac{5}{3} \right) \left\{ \begin{array}{l} 21\frac{75}{94} \end{array} \right\}$$

$$770) 1\frac{4}{5} \left(x - \frac{56}{73} \right) + 13\frac{25}{82} \left(\frac{9}{5}x - \frac{4}{9} \right) = -39 \frac{1008121}{3905865} \left\{ \begin{array}{l} -1\frac{7}{29} \end{array} \right\}$$

$$771) -\frac{138153}{1786564} = -1\frac{6}{25} \left(\frac{3}{4}n + \frac{765}{62} \right) + \frac{33}{86} \left(-\frac{15}{13}n + \frac{1914}{47} \right) \left\{ \begin{array}{l} \frac{5}{17} \end{array} \right\}$$

$$772) \frac{179}{32} \left(30\frac{41}{53}r + 1 \right) - 35 \left(\frac{1}{10}r + 46\frac{73}{96} \right) = -\frac{181532321}{239136} \left\{ \begin{array}{l} 5\frac{8}{47} \end{array} \right\}$$

$$773) 29 \left(-2n + 1\frac{1}{87} \right) + \frac{765}{44} \left(37\frac{47}{80}n + 42 \right) = -151 \frac{3937}{17952} \left\{ \begin{array}{l} -1\frac{9}{17} \end{array} \right\}$$

$$774) \frac{37}{48} \left(x + \frac{365}{8} \right) + 47 \frac{39}{70} \left(\frac{3549}{86} x + 1 \right) = 528 \frac{1988373}{2119040} \left\{ 3 \frac{61764765}{100940458} \right\}$$

$$775) 549 \frac{102407}{718704} = 7 \frac{13}{32} \left(n + \frac{5}{9} \right) - 70 \frac{37}{46} \left(\frac{1783}{96} n + 1 \frac{3}{31} \right) \left\{ 3 \frac{182848187}{535751521} \right\}$$

$$776) \frac{36022795}{24641704} = \frac{3}{10} \left(\frac{483}{34} k + \frac{891}{59} \right) - \frac{23}{15} \left(k + 42 \frac{79}{83} \right) \left\{ 1 \frac{725747299}{1008497974} \right\}$$

$$777) 3 \frac{7}{12} \left(-\frac{65}{73} r + 1 \right) + 1 \frac{34}{43} \left(-1 \frac{41}{85} r + 1 \right) = \frac{211646081}{100322440} \left\{ \frac{982469467}{1759179638} \right\}$$

$$778) -\frac{1747983973}{1000170810} = -52 \left(\frac{128}{79} b + \frac{1007}{72} \right) + \frac{19}{94} \left(1 \frac{19}{45} b + 38 \frac{4}{41} \right) \left\{ \frac{10821805}{29989213} \right\}$$

$$779) -\frac{91740079}{1423710288} = \frac{9}{83} \left(-33p + \frac{7}{17} \right) + \frac{227}{84} \left(\frac{985}{51} p - 1 \frac{72}{91} \right) \left\{ -3 \frac{372285687}{493815412} \right\}$$

$$780) \frac{878}{33} \left(-2k + 47 \frac{11}{29} \right) + \frac{52}{55} \left(26 \frac{20}{63} k + 1 \right) = -6 \frac{90056}{100485} \left\{ 44 \frac{17}{22} \right\}$$

$$781) \frac{4839441}{2200352} = 3 \frac{26}{33} \left(-\frac{123}{94} k + 35 \frac{47}{76} \right) + 15 \frac{37}{92} \left(50 \frac{4}{7} k + \frac{11}{40} \right)$$

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$$782) -\frac{70}{73} \left(\frac{4271}{96} n + 1 \frac{19}{48} \right) + 1 \frac{27}{34} \left(\frac{3}{8} n + 47 \frac{1}{96} \right) = 151 \frac{8436491}{9292608} \left\{ -1 \frac{25}{39} \right\}$$

$$783) \frac{43}{30} \left(-1 \frac{4}{27} n + 1 \right) + 3 \frac{17}{19} \left(22 \frac{54}{59} n + 28 \frac{1}{8} \right) = 7 \frac{45749179}{70824780} \left\{ \frac{635916294}{954755245} \right\}$$

$$784) 49 \frac{16}{35} \left(\frac{2809}{58} p + \frac{76}{93} \right) + 5 \frac{31}{87} \left(\frac{470}{43} p + 1 \right) = -14 \frac{1462016}{4600183} \left\{ -\frac{99028048}{221219009} \right\}$$

$$785) -1 \frac{17}{42} \left(\frac{1985}{61} x + \frac{1}{34} \right) + 36 \frac{5}{73} \left(5 \frac{17}{47} x + 54 \right) = -1 \frac{13680221}{20470380} \left\{ -\frac{481497750}{817380247} \right\}$$

$$786) -\frac{3106469}{3872} = 9\frac{9}{22}\left(28x + 43\frac{11}{16}\right) - 33\left(50\frac{41}{66}x + 35\frac{37}{56}\right) \left\{ \begin{array}{l} 2 \\ 77 \end{array} \right\}$$

$$787) \frac{997}{71}\left(30\frac{15}{56}b + \frac{1511}{63}\right) + 1\frac{15}{43}\left(b + \frac{377}{23}\right) = 74\frac{1639465}{2527884} \left\{ \begin{array}{l} 1469844922 \\ 2090199913 \end{array} \right\}$$

$$788) 1\frac{340361}{493830} = 1\frac{29}{59}\left(\frac{26}{27}x + 1\frac{49}{62}\right) + \frac{37}{30}\left(-\frac{8}{9}x - 1\right) \left\{ \begin{array}{l} 23 \\ 31 \end{array} \right\}$$

$$789) \frac{34}{49}\left(x + \frac{361}{47}\right) + \frac{86}{87}\left(x + 31\frac{8}{75}\right) = -\frac{494197576}{145261725} \left\{ \begin{array}{l} 1 \\ 29 \end{array} \right\}$$

$$790) 930\frac{188049}{199325} = 44\frac{4}{7}\left(6\frac{71}{75}n + 1\right) + \frac{1451}{35}\left(n + 27\frac{24}{67}\right) \left\{ \begin{array}{l} 12 \\ 17 \end{array} \right\}$$

$$791) -501\frac{33889}{52155} = -25\left(38\frac{2}{21}n + \frac{8}{19}\right) + \frac{44}{45}\left(-\frac{5}{7}n + \frac{29}{61}\right) \left\{ \begin{array}{l} 49 \\ 95 \end{array} \right\}$$

$$792) 30\frac{32}{65}\left(n + \frac{36}{77}\right) + 44\frac{2}{3}\left(2n + \frac{1}{2}\right) = 192\frac{27238}{75075} \left\{ \begin{array}{l} 3 \\ 10 \end{array} \right\}$$

$$793) -\frac{281047653}{1815753656} = \frac{31}{37}\left(9\frac{8}{37}p + 1\frac{11}{46}\right) + \frac{321}{22}\left(30\frac{1}{95}p + \frac{5}{52}\right) \left\{ \begin{array}{l} 711786679 \\ 995230550 \end{array} \right\}$$

$$794) 11\frac{9}{46}\left(46\frac{93}{97}n + \frac{251}{14}\right) - \frac{14}{15}\left(-\frac{37}{45}n + \frac{1}{2}\right) = 200\frac{2467}{9660}$$

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$$795) -1\frac{34}{61}\left(\frac{3383}{76}x + \frac{1090}{11}\right) + \frac{4}{33}\left(x + 14\frac{43}{55}\right) = -261\frac{858859}{3100020} \left\{ \begin{array}{l} 4 \\ 7 \end{array} \right\}$$

$$796) -125\frac{87771}{348502} = \frac{2182}{73}\left(\frac{1323}{44}n + \frac{13}{42}\right) + 1\frac{1}{5}\left(n + 35\frac{11}{13}\right) \left\{ \begin{array}{l} 821083127 \\ 1029182119 \end{array} \right\}$$

$$797) \frac{174}{13}\left(21\frac{2}{95}n + 23\frac{4}{95}\right) + \frac{4477}{58}\left(\frac{19}{13}n - 92\right) = -147\frac{2316477}{4584320} \left\{ \begin{array}{l} 400479939 \\ 1807021376 \end{array} \right\}$$

$$798) 266 \frac{389191}{7936656} = -41 \left(1 \frac{9}{23} p + 20 \frac{17}{24} \right) + \frac{1291}{79} \left(5 \frac{11}{84} p + \frac{239}{7} \right) \left\{ \frac{31}{52} \right\}$$

$$799) \frac{435100429}{3286976} = 19 \frac{5}{8} \left(\frac{2119}{48} n + 1 \frac{13}{28} \right) + 15 \frac{1}{33} \left(27 \frac{77}{92} n + 1 \right) \left\{ -4 \frac{19619462}{431954603} \right\}$$

$$800) -\frac{2957105}{7488} = \frac{13}{20} \left(-1 \frac{13}{18} n + 1 \right) + 18 \frac{1}{4} \left(49 \frac{19}{96} n + 55 \right) \left\{ -1 \frac{51}{91} \right\}$$