

## Proportions - Integers

**Find the unknown**

$$1) \frac{2}{6} = \frac{5}{v}$$

$$2) \frac{6x}{6} = \frac{3}{5}$$

$$3) \frac{5}{3} = \frac{6}{n}$$

$$4) \frac{5}{a} = \frac{4}{2}$$

$$5) \frac{v}{2} = \frac{6}{3}$$

$$6) \frac{5}{3} = \frac{x}{5}$$

$$7) \frac{x}{3} = \frac{4}{6}$$

$$8) \frac{5}{2} = \frac{6}{n}$$

$$9) \frac{k}{2} = \frac{3}{6}$$

$$10) \frac{n}{6} = \frac{2}{4}$$

$$11) \frac{p}{3} = \frac{3}{5}$$

$$12) \frac{6}{x} = \frac{2}{3}$$

$$13) \frac{2}{4} = \frac{x}{2}$$

$$14) \frac{2}{6} = \frac{4}{r}$$

$$15) \frac{2}{n} = \frac{3}{2}$$

$$16) \frac{5}{v} = \frac{2}{5}$$

$$17) \frac{5}{4} = \frac{4}{b}$$

$$18) \frac{5}{4} = \frac{a}{3}$$

$$19) \frac{6}{5} = \frac{n}{4}$$

$$20) \frac{p}{5} = \frac{4}{6}$$

$$21) \frac{2}{k} = \frac{4}{3}$$

$$22) \frac{6}{2} = \frac{n}{6}$$

$$23) \frac{6}{3} = \frac{x}{5}$$

$$24) \frac{4}{m} = \frac{3}{2}$$

$$25) \frac{6}{2} = \frac{5}{r}$$

$$26) \frac{2}{5} = \frac{n}{4}$$

$$27) \frac{2}{6} = \frac{4}{x}$$

$$28) \frac{4}{5} = \frac{5}{b}$$

$$29) \frac{x}{2} = \frac{3}{5}$$

$$30) \frac{4}{2} = \frac{5}{v}$$

$$31) \frac{4}{5a} = \frac{5}{6}$$

$$32) \frac{3}{n} = \frac{6}{3}$$

$$33) \frac{4}{6} = \frac{3}{x}$$

$$34) \frac{2}{3} = \frac{n}{5}$$

$$35) \frac{x}{6} = \frac{2}{5}$$

$$36) \frac{4}{p} = \frac{6}{4}$$

$$37) \frac{m}{3} = \frac{4}{6}$$

$$38) \frac{3}{5} = \frac{n}{6}$$

$$39) \frac{3}{r} = \frac{6}{5}$$

$$40) \frac{5}{x} = \frac{2}{3}$$

$$41) \frac{2}{x} = \frac{6}{4}$$

$$42) \frac{v}{2} = \frac{2}{5}$$

$$43) \frac{5}{n} = \frac{6}{4}$$

$$44) \frac{6}{p} = \frac{4}{5}$$

$$45) \frac{m}{5} = \frac{5}{6}$$

$$46) \frac{2}{6} = \frac{5}{r}$$

$$47) \frac{n}{2} = \frac{3}{5}$$

$$48) \frac{6}{4} = \frac{2}{v}$$

$$49) \frac{4}{x} = \frac{5}{3}$$

$$50) \frac{6}{n} = \frac{3}{4}$$

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

$$52) \frac{5}{3} = \frac{4}{5n}$$

$$53) \frac{6}{3} = \frac{p}{5}$$

$$54) \frac{k}{5} = \frac{4}{2}$$

$$55) \frac{3}{4} = \frac{x}{2}$$

$$56) \frac{5}{m} = \frac{3}{4}$$

$$57) \frac{r}{4} = \frac{6}{5}$$

$$58) \frac{4}{6} = \frac{6x}{5}$$

$$59) \frac{3}{2} = \frac{4}{x}$$

$$60) \frac{6}{m} = \frac{5}{6}$$

$$61) \frac{x}{3} = \frac{3}{4}$$

$$62) \frac{2}{b} = \frac{3}{5}$$

$$63) \frac{v}{3} = \frac{5}{4}$$

$$64) \frac{x}{6} = \frac{6}{3}$$

$$65) \frac{x}{4} = \frac{5}{3}$$

$$66) \frac{4}{6} = \frac{2}{k}$$

$$67) \frac{6}{5} = \frac{3}{p}$$

$$68) \frac{2}{6} = \frac{6b}{3}$$

$$69) \frac{v}{3} = \frac{6}{2}$$

$$70) \frac{2x}{5} = \frac{2}{6}$$

$$71) \frac{3}{a} = \frac{2}{4}$$

$$72) \frac{3}{6} = \frac{b}{2}$$

$$73) \frac{5}{4} = \frac{2}{x}$$

$$74) \frac{3}{2} = \frac{6}{p}$$

$$75) \frac{r}{4} = \frac{4}{2}$$

$$76) \frac{3}{5} = \frac{6}{6a}$$

$$77) \frac{6}{2} = \frac{5}{n}$$

$$78) \frac{6}{2} = \frac{2}{x}$$

$$79) \frac{6}{4} = \frac{a}{3}$$

$$80) \frac{6n}{3} = \frac{6}{4}$$

$$81) \frac{6}{3} = \frac{x}{4}$$

$$82) \frac{4}{6} = \frac{3x}{3}$$

$$83) \frac{4}{5} = \frac{6}{v}$$

$$84) \frac{4}{2} = \frac{x}{5}$$

$$85) \frac{6}{4} = \frac{p}{6}$$

$$86) \frac{3}{n} = \frac{2}{3}$$

$$87) \frac{2}{4} = \frac{6a}{3}$$

$$88) \frac{3}{2x} = \frac{2}{5}$$

$$89) \frac{4}{2} = \frac{a}{3}$$

$$90) \frac{5}{6} = \frac{2n}{2}$$

$$91) \frac{6}{2} = \frac{3x}{4}$$

$$92) \frac{2}{5x} = \frac{6}{5}$$

$$93) \frac{x}{5} = \frac{3}{2}$$

$$94) \frac{4}{5} = \frac{2n}{6}$$

$$95) \frac{4n}{5} = \frac{4}{6}$$

$$96) \frac{6x}{5} = \frac{6}{2}$$

$$97) \frac{4}{v} = \frac{3}{4}$$

$$98) \frac{2r}{6} = \frac{2}{4}$$

$$99) \frac{6}{2} = \frac{5}{5p}$$

$$100) \frac{3}{4v} = \frac{4}{3}$$

$$101) \frac{5}{6} = \frac{4}{x+1}$$

$$102) \frac{6}{n+5} = \frac{4}{3}$$

$$103) \frac{6}{5} = \frac{a+1}{3}$$

$$104) \frac{k+5}{6} = \frac{2}{4}$$

$$105) \frac{x+5}{7} = \frac{8}{6}$$

$$106) \frac{3}{7} = \frac{8}{n-8}$$

$$107) \frac{6}{p-7} = \frac{8}{6}$$

$$108) \frac{x-3}{7} = \frac{6}{3}$$

$$109) \frac{7}{6} = \frac{m-3}{7}$$

$$110) \frac{n+1}{5} = \frac{8}{6}$$



111)  $\frac{8}{6} = \frac{7}{r-8}$

112)  $\frac{7}{8} = \frac{4}{b-4}$

113)  $\frac{8}{5} = \frac{x+5}{3}$

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

115)  $\frac{4}{8} = \frac{2}{n+1}$

116)  $\frac{4}{5} = \frac{3}{v-8}$

117)  $\frac{8}{3} = \frac{a+5}{2}$

118)  $\frac{4}{8} = \frac{8}{x+5}$

119)  $\frac{x-8}{2} = \frac{8}{7}$

120)  $\frac{6}{4} = \frac{k-8}{7}$

121)  $\frac{p-4}{2} = \frac{5}{3}$

122)  $\frac{7}{n-3} = \frac{3}{5}$

123)  $\frac{5}{4} = \frac{x+1}{2}$

124)  $\frac{n-4}{4} = \frac{2}{7}$

$$125) \frac{7}{2} = \frac{3}{m+1}$$

$$126) \frac{2}{x+1} = \frac{7}{2}$$

$$127) \frac{2}{r+5} = \frac{4}{3}$$

$$128) \frac{3}{8} = \frac{n+5}{2}$$

$$129) \frac{b-8}{4} = \frac{3}{2}$$

$$130) \frac{v+5}{8} = \frac{3}{6}$$

$$131) \frac{7}{x-8} = \frac{2}{3}$$

$$132) \frac{4}{7} = \frac{3}{n-3}$$

$$133) \frac{6}{a+1} = \frac{5}{3}$$

$$134) \frac{4}{3} = \frac{5}{k-4}$$

$$135) \frac{x+5}{4} = \frac{4}{6}$$

$$136) \frac{5}{p+1} = \frac{3}{4}$$

$$137) \frac{n+1}{3} = \frac{4}{8}$$

$$138) \frac{2}{m+5} = \frac{3}{4}$$

$$139) \frac{4}{6} = \frac{x+5}{8}$$

$$140) \frac{5}{3} = \frac{n-8}{8}$$

$$141) \frac{6}{4} = \frac{2}{r-8}$$

$$142) \frac{b-3}{8} = \frac{5}{7}$$

$$143) \frac{v-8}{5} = \frac{7}{8}$$

$$144) \frac{5}{3} = \frac{x-4}{6}$$

$$145) \frac{6}{8} = \frac{n+1}{5}$$

$$146) \frac{6}{v+1} = \frac{2}{4}$$

$$147) \frac{4}{x+5} = \frac{5}{6}$$

$$148) \frac{x-8}{3} = \frac{7}{8}$$

$$149) \frac{6}{a-4} = \frac{8}{5}$$

$$150) \frac{n+5}{6} = \frac{2}{7}$$

$$151) \frac{2}{k-8} = \frac{5}{6}$$

$$152) \frac{7}{p+5} = \frac{5}{7}$$

$$153) \frac{7}{x-8} = \frac{2}{8}$$

$$154) \frac{n-4}{8} = \frac{7}{4}$$

$$155) \frac{x+1}{5} = \frac{7}{4}$$

$$156) \frac{r-4}{7} = \frac{6}{8}$$

$$157) \frac{4}{7} = \frac{7}{m-8}$$

$$158) \frac{7}{8} = \frac{5}{n-4}$$

$$159) \frac{8}{6} = \frac{b+1}{4}$$

$$160) \frac{n+5}{8} = \frac{2}{6}$$

$$161) \frac{7}{3} = \frac{6}{x-3}$$

$$162) \frac{8}{v+5} = \frac{4}{3}$$

$$163) \frac{7}{3} = \frac{8}{a-8}$$

$$164) \frac{8}{7} = \frac{p-8}{4}$$

$$165) \frac{6}{k+5} = \frac{3}{5}$$

$$166) \frac{5}{3} = \frac{7}{x-4}$$

$$167) \frac{7}{n-8} = \frac{2}{6}$$

$$168) \frac{8}{m-4} = \frac{2}{6}$$

$$169) \frac{r+1}{3} = \frac{5}{7}$$

$$170) \frac{x-4}{5} = \frac{2}{6}$$

$$171) \frac{5}{8} = \frac{4}{n-8}$$

$$172) \frac{x+5}{2} = \frac{2}{8}$$

$$173) \frac{n-8}{2} = \frac{2}{7}$$

$$174) \frac{4}{5} = \frac{2}{v-6}$$

$$175) \frac{a+4}{3} = \frac{8}{5}$$

$$176) \frac{7}{3} = \frac{8}{k-8}$$

$$177) \frac{2}{3} = \frac{7}{x-4}$$

$$178) \frac{3}{x-8} = \frac{5}{6}$$

$$179) \frac{3}{n-4} = \frac{7}{6}$$

$$180) \frac{5}{k-5} = \frac{8}{2}$$

$$181) \frac{p-4}{4} = \frac{4}{7}$$

$$182) \frac{x-3}{7} = \frac{4}{5}$$

$$183) \frac{2}{4} = \frac{3}{n+5}$$

$$184) \frac{4}{3} = \frac{m-1}{2}$$

$$185) \frac{r+4}{4} = \frac{2}{7}$$

$$186) \frac{b-8}{5} = \frac{7}{6}$$

$$187) \frac{4}{7} = \frac{5}{v-4}$$

$$188) \frac{8}{n+4} = \frac{4}{5}$$

$$189) \frac{a-8}{5} = \frac{6}{8}$$

$$190) \frac{6}{5} = \frac{5}{x-4}$$

$$191) \frac{4}{5} = \frac{6}{x-8}$$

$$192) \frac{4}{k-4} = \frac{3}{6}$$

$$193) \frac{3}{6} = \frac{2}{n-8}$$

$$194) \frac{7}{6} = \frac{3}{p-6}$$

$$195) \frac{6}{m+4} = \frac{2}{6}$$

$$196) \frac{6}{x+5} = \frac{8}{3}$$

$$197) \frac{x-4}{8} = \frac{7}{3}$$

$$198) \frac{7}{r-8} = \frac{5}{8}$$

$$199) \frac{b-4}{7} = \frac{7}{8}$$

$$200) \frac{7}{n-8} = \frac{5}{7}$$

$$201) \frac{v+9}{8} = \frac{4}{10}$$

$$202) \frac{7}{x+2} = \frac{6}{3}$$

$$203) \frac{a+2}{2} = \frac{10}{7}$$

$$204) \frac{5}{6} = \frac{3}{7n+2}$$

$$205) \frac{7k+9}{7} = \frac{7}{10}$$

$$206) \frac{4}{5} = \frac{x+1}{2}$$

$$207) \frac{9}{7n+6} = \frac{7}{10}$$

$$208) \frac{7}{10} = \frac{k+7}{6}$$

$$209) \frac{6}{5} = \frac{7x+9}{2}$$

$$210) \frac{x+6}{6} = \frac{5}{9}$$

$$211) \frac{6}{2} = \frac{2}{2p+6}$$

$$212) \frac{6}{m+5} = \frac{3}{7}$$

$$213) \frac{10}{n-9} = \frac{6}{3}$$

$$214) \frac{2}{4} = \frac{r-9}{9}$$

$$215) \frac{6}{3x+10} = \frac{10}{8}$$

$$216) \frac{b+4}{8} = \frac{5}{2}$$

$$217) \frac{5}{3} = \frac{10}{n-10}$$

$$218) \frac{4}{x+3} = \frac{5}{9}$$

$$219) \frac{10}{8} = \frac{v+10}{4}$$

$$220) \frac{3}{5x+7} = \frac{9}{2}$$

$$221) \frac{10}{a+3} = \frac{8}{4}$$

$$222) \frac{5k+6}{4} = \frac{5}{7}$$



$$223) \frac{5p+4}{2} = \frac{9}{6}$$

$$224) \frac{4}{2} = \frac{x+8}{8}$$

$$225) \frac{3}{7} = \frac{n-7}{10}$$

$$226) \frac{9}{10} = \frac{7r-10}{8}$$

$$227) \frac{4}{5} = \frac{7}{m+8}$$

$$228) \frac{n-8}{4} = \frac{3}{6}$$

$$229) \frac{8}{7} = \frac{6}{x+7}$$

$$230) \frac{5}{6} = \frac{7b+8}{5}$$

$$231) \frac{2}{v-9} = \frac{9}{8}$$

$$232) \frac{5}{3} = \frac{2}{n-9}$$

$$233) \frac{10}{5} = \frac{6}{2x+8}$$

$$234) \frac{2a-6}{10} = \frac{7}{5}$$

$$235) \frac{6}{3} = \frac{x-4}{7}$$

$$236) \frac{9}{7} = \frac{2}{2k+5}$$

$$237) \frac{n-4}{4} = \frac{8}{7}$$

$$238) \frac{2x+4}{3} = \frac{10}{4}$$

$$239) \frac{9}{10} = \frac{p-5}{5}$$

$$240) \frac{9}{3} = \frac{8}{x+9}$$

$$241) \frac{2}{3m-9} = \frac{9}{4}$$

$$242) \frac{7}{8} = \frac{6}{3n+9}$$

$$243) \frac{r-6}{9} = \frac{4}{2}$$

$$244) \frac{3}{10} = \frac{m+8}{9}$$

$$245) \frac{4}{x+6} = \frac{5}{6}$$

$$246) \frac{8}{4} = \frac{n-7}{3}$$

$$247) \frac{9}{6} = \frac{v-8}{4}$$

$$248) \frac{5}{7x-8} = \frac{6}{4}$$

$$249) \frac{9}{5b+5} = \frac{3}{5}$$

$$250) \frac{2}{x-8} = \frac{8}{2}$$

$$251) \frac{10}{5} = \frac{8}{a-2}$$

$$252) \frac{6}{2} = \frac{p-3}{6}$$

$$253) \frac{3}{k-9} = \frac{5}{10}$$

$$254) \frac{7x+10}{8} = \frac{9}{2}$$

$$255) \frac{2}{m+3} = \frac{5}{2}$$

$$256) \frac{5}{n-3} = \frac{10}{7}$$

$$257) \frac{8}{x+2} = \frac{9}{10}$$

$$258) \frac{4}{8} = \frac{6}{n-5}$$

$$259) \frac{9}{2r+6} = \frac{6}{7}$$

$$260) \frac{9}{5} = \frac{b+1}{2}$$

$$261) \frac{7}{9} = \frac{3v-7}{8}$$

$$262) \frac{n-6}{5} = \frac{8}{2}$$

$$263) \frac{10}{x+1} = \frac{8}{4}$$

$$264) \frac{3}{5} = \frac{3a-10}{8}$$

$$265) \frac{4}{5} = \frac{k-7}{7}$$

$$266) \frac{3x+10}{4} = \frac{3}{9}$$

$$267) \frac{8}{10} = \frac{x+6}{5}$$

$$268) \frac{p-2}{9} = \frac{4}{10}$$

$$269) \frac{7}{9} = \frac{4}{5m+7}$$

$$270) \frac{6}{7} = \frac{3}{5n-3}$$

$$271) \frac{5x+7}{9} = \frac{7}{4}$$

$$272) \frac{4}{7} = \frac{5}{n-3}$$

$$273) \frac{10}{9} = \frac{7m-7}{10}$$

$$274) \frac{9}{4} = \frac{8}{r-3}$$

$$275) \frac{5}{6} = \frac{4}{x+3}$$

$$276) \frac{5}{7n-10} = \frac{6}{3}$$

$$277) \frac{b+2}{2} = \frac{10}{9}$$

$$278) \frac{6}{7} = \frac{5}{v+8}$$

$$279) \frac{5}{10} = \frac{3}{x+2}$$

$$280) \frac{2x-2}{6} = \frac{10}{8}$$

$$281) \frac{6}{3} = \frac{k+7}{7}$$

$$282) \frac{10}{2a+8} = \frac{7}{6}$$

$$283) \frac{5}{x+7} = \frac{8}{6}$$

$$284) \frac{5}{2} = \frac{2}{2p-5}$$

$$285) \frac{5}{10} = \frac{n-6}{3}$$

$$286) \frac{7}{m+6} = \frac{2}{6}$$

$$287) \frac{9}{r-1} = \frac{7}{2}$$

$$288) \frac{5}{3x-9} = \frac{9}{8}$$

$$289) \frac{b+5}{8} = \frac{3}{9}$$

$$290) \frac{9}{n-10} = \frac{2}{3}$$

$$291) \frac{8}{v-10} = \frac{7}{4}$$

$$292) \frac{4}{9} = \frac{3}{x+4}$$

$$293) \frac{8}{2} = \frac{3}{5n+9}$$

$$294) \frac{10}{a+3} = \frac{8}{2}$$

$$295) \frac{5}{5k-5} = \frac{7}{4}$$

$$296) \frac{9}{7x+6} = \frac{4}{9}$$

$$297) \frac{7}{4} = \frac{8}{x+9}$$

$$298) \frac{5}{6} = \frac{7n-8}{10}$$

$$299) \frac{10}{5} = \frac{7p-8}{9}$$

$$300) \frac{3}{5} = \frac{7}{m+8}$$

$$301) \frac{n-7}{n} = \frac{4}{10}$$

$$302) \frac{x}{7} = \frac{x+7}{6}$$

$$303) \frac{6}{5} = \frac{b}{b+7}$$

$$304) \frac{x+6}{6} = \frac{x}{5}$$

$$305) \frac{2}{r} = \frac{7}{r-8}$$

$$306) \frac{v}{10} = \frac{v-9}{2}$$

$$307) \frac{7}{5} = \frac{b+5}{b}$$

$$308) \frac{4}{6} = \frac{x}{x+5}$$

$$309) \frac{10}{n} = \frac{5}{n-9}$$

$$310) \frac{a-4}{8} = \frac{a}{4}$$

$$311) \frac{k+10}{2} = \frac{k}{10}$$

$$312) \frac{3}{9} = \frac{x-10}{x}$$

$$313) \frac{9}{3} = \frac{p-5}{p}$$

$$314) \frac{n}{4} = \frac{n-5}{8}$$

$$315) \frac{8}{3} = \frac{x}{x+10}$$

$$316) \frac{9}{m} = \frac{2}{m+9}$$

$$317) \frac{x+8}{4} = \frac{x}{8}$$

$$318) \frac{2}{9} = \frac{r}{r-6}$$

$$319) \frac{10n}{8} = \frac{n-3}{2}$$

$$320) \frac{8}{5} = \frac{b}{b+8}$$

$$321) \frac{v}{2} = \frac{v-7}{9}$$

$$322) \frac{x}{7} = \frac{x-1}{4}$$

$$323) \frac{5}{8} = \frac{a}{a-2}$$

$$324) \frac{10}{2} = \frac{n-8}{n}$$

$$325) \frac{4}{10} = \frac{k-8}{k}$$

$$326) \frac{9}{6} = \frac{x+1}{7x}$$

$$327) \frac{5}{3} = \frac{n}{n-3}$$

$$328) \frac{5}{8} = \frac{x-9}{x}$$

$$329) \frac{10}{2} = \frac{m}{m-10}$$

$$330) \frac{7}{5} = \frac{p-4}{p}$$

$$331) \frac{n-4}{6} = \frac{n}{4}$$

$$332) \frac{5}{3} = \frac{x}{x-10}$$

$$333) \frac{9}{2} = \frac{b}{b+2}$$

$$334) \frac{x+1}{x} = \frac{4}{10}$$



$$335) \frac{r}{r-5} = \frac{5}{7}$$

$$336) \frac{3}{8} = \frac{n}{n-6}$$

$$337) \frac{3}{9} = \frac{b+1}{b}$$

$$338) \frac{v-6}{7} = \frac{v}{4}$$

$$339) \frac{2}{4} = \frac{x-1}{x}$$

$$340) \frac{2}{8} = \frac{x}{x-7}$$

$$341) \frac{a}{8} = \frac{a-1}{3}$$

$$342) \frac{4}{6} = \frac{p-1}{p}$$

$$343) \frac{x+5}{9} = \frac{x}{2}$$

$$344) \frac{9}{k-8} = \frac{3}{k}$$

$$345) \frac{n-2}{5} = \frac{n}{7}$$

$$346) \frac{6}{4} = \frac{r}{r-3}$$

$$347) \frac{6}{3} = \frac{x+3}{x}$$

$$348) \frac{2}{10} = \frac{m}{m+4}$$

$$349) \frac{b+3}{b} = \frac{10}{2}$$

$$350) \frac{6}{n} = \frac{5}{n-3}$$

$$351) \frac{x}{10} = \frac{x+2}{2}$$

$$352) \frac{6}{v+10} = \frac{5}{7v}$$

$$353) \frac{n}{n-5} = \frac{6}{9}$$

$$354) \frac{a}{9} = \frac{a+2}{10}$$

$$355) \frac{k}{4} = \frac{k+8}{7}$$

$$356) \frac{10}{9} = \frac{x}{x+1}$$

$$357) \frac{6}{5} = \frac{x+7}{x}$$

$$358) \frac{4}{n+4} = \frac{3}{n}$$

$$359) \frac{x+6}{x} = \frac{8}{4}$$

$$360) \frac{p}{p+4} = \frac{2}{8}$$

$$361) \frac{7}{m+6} = \frac{3}{m}$$

$$362) \frac{3}{n-1} = \frac{7}{n}$$

$$363) \frac{r-2}{4} = \frac{r}{8}$$

$$364) \frac{7}{3} = \frac{b+5}{b}$$

$$365) \frac{x}{3} = \frac{x+4}{9}$$

$$366) \frac{7}{3} = \frac{n}{n-10}$$

$$367) \frac{7}{v} = \frac{4}{v+10}$$

$$368) \frac{2}{x+3} = \frac{9}{x}$$

$$369) \frac{x+9}{x} = \frac{3}{6}$$

$$370) \frac{4}{10} = \frac{a+2}{a}$$

$$371) \frac{7}{k} = \frac{5}{k+9}$$

$$372) \frac{10}{9} = \frac{p}{p+2}$$

$$373) \frac{x}{5} = \frac{x+8}{6}$$

$$374) \frac{3}{10} = \frac{n+1}{n}$$

$$375) \frac{r-8}{r} = \frac{2}{9}$$

$$376) \frac{n-8}{n} = \frac{8}{10}$$

$$377) \frac{6}{x+7} = \frac{4}{x}$$

$$378) \frac{b}{b+6} = \frac{5}{7}$$

$$379) \frac{v}{8} = \frac{v-9}{2}$$

$$380) \frac{a}{a+5} = \frac{4}{8}$$

$$381) \frac{2}{5} = \frac{7k}{k+3}$$

$$382) \frac{3}{7} = \frac{x}{x+4}$$

$$383) \frac{8}{n-5} = \frac{2}{n}$$

$$384) \frac{p-5}{p} = \frac{9}{2}$$

$$385) \frac{2}{7} = \frac{m+10}{m}$$

$$386) \frac{4}{x+9} = \frac{7}{x}$$

$$387) \frac{b}{b+8} = \frac{6}{5}$$

$$388) \frac{9}{r} = \frac{5}{r-7}$$

$$389) \frac{4}{x+8} = \frac{7}{x}$$

$$390) \frac{x}{10} = \frac{x-1}{3}$$

$$391) \frac{10}{8} = \frac{n}{n-7}$$

$$392) \frac{7}{a+7} = \frac{5}{a}$$

$$393) \frac{v-8}{2} = \frac{v}{10}$$

$$394) \frac{x}{x-2} = \frac{6}{10}$$

$$395) \frac{a-2}{4} = \frac{a}{5}$$

$$396) \frac{x}{x-9} = \frac{9}{7}$$

$$397) \frac{p}{p-3} = \frac{3}{6}$$

$$398) \frac{x}{x-10} = \frac{9}{4}$$

$$399) \frac{9}{2} = \frac{m}{m+10}$$

$$400) \frac{r-4}{7} = \frac{r}{3}$$

$$401) \frac{5}{x} = \frac{11}{5x-2}$$

$$402) \frac{5n-5}{n} = \frac{4}{8}$$

$$403) \frac{x}{10} = \frac{x+9}{4}$$

$$404) \frac{v}{11} = \frac{v-11}{8}$$

$$405) \frac{n}{4} = \frac{n+4}{7}$$

$$406) \frac{5b+9}{8} = \frac{b}{10}$$

$$407) \frac{4}{p} = \frac{7}{p+8}$$

$$408) \frac{5a+5}{a} = \frac{10}{6}$$

$$409) \frac{12}{11} = \frac{k}{2k-4}$$

$$410) \frac{x}{10} = \frac{x+4}{8}$$

$$411) \frac{n-8}{n} = \frac{12}{9}$$

$$412) \frac{11m+12}{4} = \frac{m}{3}$$

$$413) \frac{9}{6} = \frac{2p+1}{p}$$

$$414) \frac{7}{9} = \frac{r-8}{2r}$$

$$415) \frac{2x-9}{11} = \frac{x}{8}$$

$$416) \frac{3}{11} = \frac{n}{n-9}$$

$$417) \frac{11x-12}{2} = \frac{x}{11}$$

$$418) \frac{10}{b} = \frac{2}{b+12}$$

$$419) \frac{10n}{2} = \frac{n+3}{4}$$

$$420) \frac{8}{v+6} = \frac{3}{v}$$

$$421) \frac{10}{9} = \frac{x+1}{x}$$

$$422) \frac{4}{a} = \frac{5}{a+11}$$

$$423) \frac{x}{5x-7} = \frac{9}{6}$$

$$424) \frac{5k+4}{k} = \frac{3}{6}$$

$$425) \frac{p}{p-6} = \frac{4}{11}$$

$$426) \frac{4}{x-11} = \frac{2}{x}$$

$$427) \frac{7}{12} = \frac{n}{3n+5}$$

$$428) \frac{2}{5n-10} = \frac{4}{n}$$

$$429) \frac{m}{9} = \frac{5m-6}{4}$$

$$430) \frac{r}{2} = \frac{r-7}{12}$$

$$431) \frac{x-12}{3} = \frac{x}{9}$$

$$432) \frac{n}{n+9} = \frac{3}{6}$$

$$433) \frac{11x-4}{x} = \frac{7}{6}$$

$$434) \frac{2}{3} = \frac{11v+6}{v}$$

$$435) \frac{a+3}{a} = \frac{11}{8}$$

$$436) \frac{n}{9} = \frac{2n+10}{11}$$

$$437) \frac{2}{k-9} = \frac{3}{k}$$

$$438) \frac{10}{2} = \frac{n+2}{n}$$

$$439) \frac{7}{x} = \frac{9}{11x+8}$$

$$440) \frac{5}{p} = \frac{9}{11p+11}$$

$$441) \frac{m}{9} = \frac{m-9}{5}$$

$$442) \frac{p}{7} = \frac{p+11}{8}$$

$$443) \frac{x+6}{x} = \frac{10}{2}$$

$$444) \frac{5b+9}{b} = \frac{12}{4}$$

$$445) \frac{7}{n} = \frac{9}{5n-12}$$

$$446) \frac{7}{r} = \frac{4}{5r-1}$$



$$447) \frac{n}{7} = \frac{n-6}{12}$$

$$448) \frac{8}{x} = \frac{9}{x+6}$$

$$449) \frac{3}{10} = \frac{a}{3a-1}$$

$$450) \frac{x}{3} = \frac{x-7}{11}$$

$$451) \frac{3}{x} = \frac{12}{x+5}$$

$$452) \frac{6}{3v-2} = \frac{2}{7v}$$

$$453) \frac{6}{8} = \frac{n-12}{n}$$

$$454) \frac{12}{11} = \frac{3p+1}{p}$$

$$455) \frac{2}{5} = \frac{x}{11x-10}$$

$$456) \frac{n}{5} = \frac{2n+5}{9}$$

$$457) \frac{8}{k+9} = \frac{2}{k}$$

$$458) \frac{m+8}{m} = \frac{6}{11}$$

$$459) \frac{2}{r-4} = \frac{7}{r}$$

$$460) \frac{n}{8} = \frac{11n+2}{7}$$

461)  $\frac{b}{7} = \frac{b+7}{10}$

462)  $\frac{5}{x} = \frac{3}{11x+6}$

463)  $\frac{4}{12} = \frac{x-9}{x}$

464)  $\frac{4}{v-4} = \frac{2}{v}$

465)  $\frac{7}{6} = \frac{n}{n+11}$

466)  $\frac{5}{11a+7} = \frac{9}{a}$

467)  $\frac{k}{5k-3} = \frac{4}{10}$

468)  $\frac{p}{p-10} = \frac{6}{7}$

469)  $\frac{12}{8} = \frac{n+6}{n}$

470)  $\frac{11}{x+10} = \frac{9}{x}$

471)  $\frac{3r+9}{12} = \frac{r}{6}$

472)  $\frac{m}{3} = \frac{3m-6}{8}$

473)  $\frac{8}{x+10} = \frac{7}{x}$

474)  $\frac{n}{n-2} = \frac{6}{11}$

$$475) \frac{b}{b-7} = \frac{12}{6}$$

$$476) \frac{r-11}{8} = \frac{r}{7}$$

$$477) \frac{10}{11} = \frac{3x-4}{x}$$

$$478) \frac{n}{2} = \frac{11n+10}{3}$$

$$479) \frac{a-7}{a} = \frac{5}{7}$$

$$480) \frac{v-12}{7} = \frac{v}{5}$$

$$481) \frac{x}{12} = \frac{x+8}{10}$$

$$482) \frac{11}{9} = \frac{11x+4}{x}$$

$$483) \frac{k+12}{9k} = \frac{9}{10}$$

$$484) \frac{8}{n} = \frac{5}{11n-3}$$

$$485) \frac{p}{6} = \frac{p+7}{2}$$

$$486) \frac{4}{6} = \frac{x}{x-4}$$

$$487) \frac{n-9}{6} = \frac{n}{11}$$

$$488) \frac{m}{7m+2} = \frac{9}{3}$$

$$489) \frac{n+3}{9} = \frac{10n}{5}$$

$$490) \frac{11}{x} = \frac{3}{x-5}$$

$$491) \frac{b}{12} = \frac{b+11}{4}$$

$$492) \frac{12}{r} = \frac{8}{5r-9}$$

$$493) \frac{3}{5} = \frac{v}{3v-11}$$

$$494) \frac{3x+3}{10} = \frac{x}{6}$$

$$495) \frac{a+10}{a} = \frac{11}{10}$$

$$496) \frac{n}{12} = \frac{n-10}{8}$$

$$497) \frac{2}{5} = \frac{k-2}{k}$$

$$498) \frac{3x-10}{x} = \frac{8}{7}$$

$$499) \frac{12}{p} = \frac{5}{p-6}$$

$$500) \frac{11}{2} = \frac{r}{7r-4}$$

$$501) -\frac{7}{r-7} = \frac{10}{r}$$

$$502) \frac{m}{m-2} = -\frac{11}{5}$$

$$503) -\frac{n}{2n-5} = \frac{10}{9}$$

$$504) \frac{11b+10}{3} = \frac{b}{4}$$

$$505) \frac{10}{x-12} = -\frac{4}{x}$$

$$506) -\frac{n}{5} = \frac{n+1}{4}$$

$$507) \frac{r-8}{6} = \frac{r}{4}$$

$$508) \frac{x+12}{x} = -\frac{9}{11}$$

$$509) \frac{a-4}{7} = -\frac{a}{4}$$

$$510) \frac{v}{7v-3} = -\frac{9}{6}$$

$$511) \frac{2}{3} = \frac{x+8}{x}$$

$$512) -\frac{x}{12} = \frac{11x+11}{10}$$

$$513) \frac{n-5}{5} = \frac{n}{10}$$

$$514) \frac{8}{2} = \frac{3x-2}{x}$$

$$515) \frac{p}{11} = \frac{7p+8}{3}$$

$$516) \frac{k}{k-9} = \frac{5}{8}$$

$$517) \frac{3}{11} = \frac{m}{m-10}$$

$$518) -\frac{5}{n} = \frac{8}{n-5}$$

$$519) -\frac{2}{10} = \frac{r+10}{r}$$

$$520) \frac{2}{2x-12} = -\frac{5}{x}$$

$$521) \frac{3n+3}{n} = \frac{6}{7}$$

$$522) \frac{10}{9} = \frac{b-11}{b}$$

$$523) \frac{4v}{v-11} = -\frac{7}{3}$$

$$524) \frac{n-9}{4n} = \frac{8}{4}$$

$$525) \frac{11}{x} = -\frac{3}{x-2}$$

$$526) \frac{2a-10}{5} = \frac{a}{8}$$

$$527) -\frac{4}{6} = \frac{k}{11k+4}$$

$$528) -\frac{p}{p-3} = -\frac{9}{6}$$

$$529) \frac{9}{3} = \frac{x-8}{x}$$

$$530) \frac{7m+2}{7} = -\frac{m}{3}$$

$$531) -\frac{r}{7r-9} = \frac{5}{3}$$

$$532) \frac{12}{n-12} = -\frac{10}{n}$$

$$533) \frac{x-8}{x} = \frac{12}{10}$$

$$534) \frac{n}{8} = \frac{n+12}{3}$$

$$535) \frac{8}{9} = \frac{v-5}{v}$$

$$536) \frac{7x+3}{x} = \frac{9}{11}$$

$$537) \frac{4}{b-8} = \frac{6}{b}$$

$$538) \frac{3n-7}{n} = -\frac{6}{2}$$

$$539) \frac{a-1}{4} = \frac{a}{9}$$

$$540) \frac{v-5}{v} = \frac{7}{4}$$

$$541) \frac{x}{5x-7} = \frac{10}{7}$$

$$542) \frac{2x+8}{12} = \frac{x}{5}$$

$$543) \frac{7}{3} = \frac{n-1}{n}$$

$$544) \frac{k}{k-6} = \frac{2}{10}$$

$$545) \frac{5}{p-11} = -\frac{9}{p}$$

$$546) \frac{x+3}{x} = \frac{4}{3}$$

$$547) \frac{2m+9}{6} = \frac{m}{9}$$

$$548) \frac{n}{n-2} = -\frac{2}{6}$$

$$549) -\frac{11}{12} = \frac{3r-1}{r}$$

$$550) \frac{8}{9} = -\frac{n}{n-3}$$

$$551) \frac{6}{x} = \frac{3}{x+2}$$

$$552) \frac{8}{3} = \frac{7v-4}{v}$$

$$553) -\frac{4}{2b+9} = \frac{12}{b}$$

$$554) -\frac{8}{5} = \frac{x}{x+1}$$

$$555) \frac{2}{8} = \frac{n}{n-4}$$

$$556) \frac{10}{a-8} = -\frac{11}{a}$$

$$557) \frac{3}{2} = \frac{11k-7}{10k}$$

$$558) \frac{7x-9}{x} = -\frac{5}{11}$$



$$559) \frac{p}{p+1} = \frac{8}{7}$$

$$560) \frac{7n+12}{n} = \frac{4}{2}$$

$$561) \frac{m}{2} = \frac{m+4}{4}$$

$$562) \frac{r}{r-9} = \frac{7}{4}$$

$$563) \frac{11n}{8} = \frac{n+3}{2}$$

$$564) -\frac{b}{b+4} = -\frac{8}{3}$$

$$565) -\frac{5}{5x-12} = -\frac{10}{x}$$

$$566) \frac{v-1}{6} = \frac{v}{7}$$

$$567) \frac{7}{x-6} = \frac{3}{x}$$

$$568) \frac{4}{8} = \frac{n-10}{n}$$

$$569) -\frac{6}{12} = \frac{a}{a+3}$$

$$570) \frac{2v+4}{4} = -\frac{v}{9}$$

$$571) \frac{x+7}{x} = \frac{3}{6}$$

$$572) \frac{2x-6}{x} = \frac{9}{12}$$

$$573) -\frac{5}{6} = \frac{n}{n+2}$$

$$574) \frac{11k-6}{2} = \frac{k}{8}$$

$$575) \frac{x+6}{x} = \frac{5}{12}$$

$$576) \frac{n+1}{n} = \frac{8}{7}$$

$$577) \frac{m-3}{11} = \frac{m}{2}$$

$$578) \frac{r-8}{r} = \frac{2}{12}$$

$$579) -\frac{7}{10} = \frac{p}{2p+4}$$

$$580) \frac{7}{4} = \frac{x}{x+5}$$

$$581) \frac{7n+10}{9} = -\frac{n}{7}$$

$$582) \frac{5}{6} = \frac{v-9}{v}$$

$$583) \frac{x}{x+5} = \frac{7}{10}$$

$$584) \frac{5n+8}{7} = \frac{n}{10}$$

$$585) \frac{2}{7b+7} = \frac{10}{b}$$

$$586) -\frac{a}{11} = \frac{5a-3}{4}$$

$$587) \frac{k}{3} = \frac{k+8}{4}$$

$$588) \frac{11}{p} = -\frac{6}{p+4}$$

$$589) \frac{9}{6} = \frac{x-1}{x}$$

$$590) -\frac{n}{n-6} = -\frac{12}{5}$$

$$591) -\frac{m}{11} = \frac{m+8}{2}$$

$$592) -\frac{2}{9} = \frac{2r-1}{r}$$

$$593) \frac{7}{5} = \frac{b+7}{b}$$

$$594) -\frac{7}{3} = -\frac{n}{n-6}$$

$$595) \frac{12}{x} = \frac{7}{2x-12}$$

$$596) \frac{2}{9} = \frac{n-2}{12n}$$

$$597) -\frac{12}{11v-11} = \frac{8}{v}$$

$$598) \frac{x}{2x+3} = -\frac{11}{4}$$

$$599) \frac{4}{a+6} = \frac{12}{a}$$

$$600) -\frac{11}{k+2} = \frac{6}{k}$$

$$601) \frac{x+2}{x-3} = \frac{7}{10}$$

$$602) \frac{x+4}{3} = \frac{x-11}{7}$$

$$603) \frac{k-4}{k+7} = \frac{14}{3}$$

$$604) \frac{p-12}{3} = \frac{p+7}{13}$$

$$605) \frac{11}{14} = \frac{n+7}{n+5}$$

$$606) \frac{12}{4} = \frac{n+9}{n-4}$$

$$607) \frac{10}{x+9} = \frac{14}{x+6}$$

$$608) \frac{m+11}{m-13} = \frac{9}{7}$$

$$609) \frac{x+14}{2} = \frac{x-5}{8}$$

$$610) \frac{10}{r+5} = \frac{5}{r+12}$$

$$611) \frac{n-14}{n+14} = \frac{11}{5}$$

$$612) \frac{b-13}{b+5} = \frac{2}{14}$$

$$613) \frac{12}{4} = \frac{v-11}{v-6}$$

$$614) \frac{x-8}{11} = \frac{x+4}{4}$$

$$615) \frac{x-11}{x+14} = \frac{2}{14}$$

$$616) \frac{8}{a-7} = \frac{7}{a-8}$$

$$617) \frac{k+14}{k-6} = \frac{5}{10}$$

$$618) \frac{p-6}{p+3} = \frac{7}{8}$$

$$619) \frac{6}{n+13} = \frac{7}{n-3}$$

$$620) \frac{3}{x-4} = \frac{12}{x-7}$$

$$621) \frac{m-1}{m+2} = \frac{2}{12}$$

$$622) \frac{n+2}{n+3} = \frac{8}{12}$$

$$623) \frac{x+12}{x+1} = \frac{5}{12}$$

$$624) \frac{r-1}{5} = \frac{r-8}{13}$$

$$625) \frac{11}{v+6} = \frac{9}{v+9}$$

$$626) \frac{5}{b-9} = \frac{9}{b+3}$$

$$627) \frac{x+6}{x+1} = \frac{8}{12}$$

$$628) \frac{n-10}{4} = \frac{n+8}{9}$$

$$629) \frac{a+8}{a+9} = \frac{2}{13}$$

$$630) \frac{k+10}{k+3} = \frac{3}{9}$$

$$631) \frac{x-11}{x+10} = \frac{5}{14}$$

$$632) \frac{x+13}{11} = \frac{x+8}{9}$$

$$633) \frac{k-14}{k-11} = \frac{10}{9}$$

$$634) \frac{n+13}{13} = \frac{n-1}{6}$$

$$635) \frac{6}{p-12} = \frac{13}{p+7}$$

$$636) \frac{10}{x-2} = \frac{9}{x-12}$$

$$637) \frac{n-10}{n-12} = \frac{5}{13}$$

$$638) \frac{13}{2} = \frac{m-9}{m+6}$$

$$639) \frac{5}{r-7} = \frac{6}{r-2}$$

$$640) \frac{n+5}{n-5} = \frac{6}{12}$$

$$641) \frac{3}{x-13} = \frac{12}{x-7}$$

$$642) \frac{v-14}{13} = \frac{v-3}{11}$$

$$643) \frac{x+5}{x-2} = \frac{10}{7}$$

$$644) \frac{x-4}{x+12} = \frac{10}{4}$$

$$645) \frac{10}{b-3} = \frac{14}{b-5}$$

$$646) \frac{k+2}{k+4} = \frac{3}{6}$$

$$647) \frac{p-5}{4} = \frac{p+4}{14}$$

$$648) \frac{7}{3} = \frac{a+2}{a-14}$$

$$649) \frac{7}{x+14} = \frac{2}{x+4}$$

$$650) \frac{n+3}{n+7} = \frac{10}{13}$$

$$651) \frac{10}{8} = \frac{m+7}{m-5}$$

$$652) \frac{x+9}{9} = \frac{x+2}{14}$$

$$653) \frac{12}{r+9} = \frac{11}{r+13}$$

$$654) \frac{n+11}{n-6} = \frac{5}{4}$$

$$655) \frac{x-7}{7} = \frac{x-13}{13}$$

$$656) \frac{v+14}{v+2} = \frac{6}{4}$$

$$657) \frac{m+11}{m-1} = \frac{6}{13}$$

$$658) \frac{4}{n-13} = \frac{11}{n+11}$$

$$659) \frac{k-8}{k-11} = \frac{11}{13}$$

$$660) \frac{x+11}{13} = \frac{x-8}{3}$$

$$661) \frac{14}{a-11} = \frac{8}{a+1}$$

$$662) \frac{n-9}{n-6} = \frac{6}{3}$$

$$663) \frac{10}{8} = \frac{x-8}{x+11}$$

$$664) \frac{m-6}{m+10} = \frac{9}{5}$$

$$665) \frac{2}{x-4} = \frac{5}{x-9}$$

$$666) \frac{n-1}{n+9} = \frac{13}{9}$$

$$667) \frac{6}{p-4} = \frac{8}{p-1}$$

$$668) \frac{6}{12} = \frac{m+1}{m-2}$$

$$669) \frac{r+1}{r-10} = \frac{7}{12}$$

$$670) \frac{x+3}{x+8} = \frac{8}{13}$$



$$671) \frac{11}{n+3} = \frac{2}{n-2}$$

$$672) \frac{8}{b+5} = \frac{5}{b-11}$$

$$673) \frac{x-3}{x+8} = \frac{6}{7}$$

$$674) \frac{v+6}{v+7} = \frac{4}{8}$$

$$675) \frac{a+7}{12} = \frac{a+10}{14}$$

$$676) \frac{k-4}{k+10} = \frac{2}{11}$$

$$677) \frac{9}{x-12} = \frac{3}{x+8}$$

$$678) \frac{13}{4} = \frac{p-12}{p+12}$$

$$679) \frac{2}{10} = \frac{x+6}{x-14}$$

$$680) \frac{n-5}{n-14} = \frac{6}{12}$$

$$681) \frac{m-13}{3} = \frac{m-12}{9}$$

$$682) \frac{6}{r+5} = \frac{5}{r-12}$$

$$683) \frac{x-10}{x-5} = \frac{2}{10}$$

$$684) \frac{4}{13} = \frac{n-10}{n-14}$$

$$685) \frac{12}{10} = \frac{b-7}{b+4}$$

$$686) \frac{v-7}{12} = \frac{v-6}{14}$$

$$687) \frac{x+12}{x-5} = \frac{3}{14}$$

$$688) \frac{6}{11} = \frac{n+4}{n-5}$$

$$689) \frac{3}{a-7} = \frac{7}{a-3}$$

$$690) \frac{10}{k+11} = \frac{7}{k+9}$$

$$691) \frac{13}{6} = \frac{x+4}{x+3}$$

$$692) \frac{x+2}{3} = \frac{x-8}{13}$$

$$693) \frac{n+11}{n+2} = \frac{11}{6}$$

$$694) \frac{14}{2} = \frac{m+2}{m+4}$$

$$695) \frac{3}{p-9} = \frac{13}{p+4}$$

$$696) \frac{n+7}{n+1} = \frac{12}{4}$$

$$697) \frac{11}{x+10} = \frac{9}{x+7}$$

$$698) \frac{8}{m+9} = \frac{7}{m-9}$$

$$699) \frac{8}{2} = \frac{x+11}{x+14}$$

$$700) \frac{2}{k-6} = \frac{3}{k-1}$$

$$701) \frac{8}{11} = \frac{n+3}{13n-20}$$

$$702) \frac{n-5}{6} = \frac{n-13}{15}$$

$$703) \frac{x-5}{x+20} = \frac{9}{11}$$

$$704) \frac{x-1}{18} = \frac{x+19}{7}$$

$$705) \frac{16}{19} = \frac{v-9}{5v-16}$$

$$706) \frac{19p-9}{p+20} = \frac{18}{5}$$

$$707) \frac{k+16}{6} = \frac{k+7}{11}$$

$$708) \frac{19a-8}{17a+8} = \frac{12}{5}$$

$$709) \frac{5x+2}{18} = \frac{x+16}{11}$$

$$710) \frac{3}{10} = \frac{n+4}{11n-8}$$

$$711) \frac{8}{m-17} = \frac{3}{19m-17}$$

$$712) \frac{17}{20} = \frac{r+3}{r-7}$$

$$713) \frac{x+5}{16} = \frac{19x+19}{13}$$

$$714) \frac{5}{10} = \frac{n-1}{n+12}$$

$$715) \frac{2}{b-13} = \frac{18}{b+3}$$

$$716) \frac{2v-10}{v+19} = \frac{10}{15}$$

$$717) \frac{17x-7}{x+8} = \frac{5}{7}$$

$$718) \frac{7}{16} = \frac{a+17}{a+16}$$

$$719) \frac{k+14}{3k-11} = \frac{6}{20}$$

$$720) \frac{20}{2n+6} = \frac{9}{2n-10}$$

$$721) \frac{3x+18}{12} = \frac{x+4}{18}$$

$$722) \frac{5n+4}{3n+1} = \frac{10}{4}$$

$$723) \frac{17}{x-4} = \frac{16}{x+4}$$

$$724) \frac{8}{7} = \frac{3b+9}{17b+10}$$

$$725) \frac{10}{7} = \frac{17x-10}{x-20}$$

$$726) \frac{14}{5p+17} = \frac{17}{p-1}$$

$$727) \frac{15}{3} = \frac{n-10}{n-18}$$

$$728) \frac{4}{r+20} = \frac{15}{r+8}$$

$$729) \frac{11}{15} = \frac{5b-12}{b+12}$$

$$730) \frac{2x-6}{x-4} = \frac{20}{16}$$

$$731) \frac{5n-15}{n+17} = \frac{14}{9}$$

$$732) \frac{x+4}{18} = \frac{x-3}{12}$$

$$733) \frac{13}{7b-13} = \frac{6}{b+16}$$

$$734) \frac{12}{2} = \frac{7x-1}{5x-6}$$

$$735) \frac{19}{6} = \frac{v+7}{7v+15}$$

$$736) \frac{a+3}{a+12} = \frac{3}{14}$$

$$737) \frac{11p-7}{11} = \frac{p-20}{8}$$

$$738) \frac{x+9}{19x-17} = \frac{20}{3}$$

$$739) \frac{18}{15} = \frac{k-14}{k+1}$$

$$740) \frac{5}{9} = \frac{m+17}{11m+6}$$

$$741) \frac{15}{11n+17} = \frac{16}{11n-15}$$

$$742) \frac{7}{r-4} = \frac{18}{r+4}$$

$$743) \frac{x-14}{x-15} = \frac{2}{13}$$

$$744) \frac{n+1}{15} = \frac{n+5}{20}$$

$$745) \frac{13b-19}{b+1} = \frac{7}{20}$$

$$746) \frac{7x-17}{13x-3} = \frac{17}{13}$$

$$747) \frac{n+14}{6} = \frac{13n-16}{4}$$

$$748) \frac{20}{v+13} = \frac{5}{3v-8}$$

$$749) \frac{a+1}{14} = \frac{a-13}{17}$$

$$750) \frac{11}{17k+9} = \frac{6}{19k+13}$$

$$751) \frac{2}{19} = \frac{x-16}{x+9}$$

$$752) \frac{7n-6}{n+17} = \frac{18}{9}$$

$$753) \frac{7}{13x+6} = \frac{17}{17x-17}$$

$$754) \frac{11}{2} = \frac{17m+8}{m-10}$$

$$755) \frac{x+5}{7x+13} = \frac{16}{8}$$

$$756) \frac{n+4}{20} = \frac{19n+20}{8}$$

$$757) \frac{13}{15} = \frac{3p-13}{19p-5}$$

$$758) \frac{b+13}{6} = \frac{b+8}{12}$$

$$759) \frac{14}{r+17} = \frac{13}{19r-6}$$

$$760) \frac{x-19}{13x+8} = \frac{6}{7}$$

$$761) \frac{2n-2}{19} = \frac{n+10}{18}$$

$$762) \frac{11}{12} = \frac{2b+6}{b-11}$$

$$763) \frac{13v-20}{5} = \frac{v+18}{3}$$

$$764) \frac{2x-10}{17x-13} = \frac{17}{18}$$

$$765) \frac{20}{5} = \frac{x-9}{x-15}$$

$$766) \frac{5k+17}{3k-7} = \frac{4}{16}$$

$$767) \frac{a-7}{3a+6} = \frac{3}{13}$$

$$768) \frac{8}{17} = \frac{5p+7}{p+14}$$

$$769) \frac{10}{3x+18} = \frac{9}{x-3}$$

$$770) \frac{2}{n-19} = \frac{3}{19n-12}$$

$$771) \frac{15}{m+1} = \frac{4}{3m+20}$$

$$772) \frac{7}{r+6} = \frac{4}{r-10}$$

$$773) \frac{n-8}{5n+4} = \frac{13}{4}$$

$$774) \frac{x-11}{x+10} = \frac{20}{11}$$

$$775) \frac{b-5}{5} = \frac{b+18}{17}$$

$$776) \frac{9}{18} = \frac{v+6}{17v+5}$$

$$777) \frac{n+6}{7n-13} = \frac{14}{4}$$

$$778) \frac{11}{3x-4} = \frac{2}{x-15}$$

$$779) \frac{7}{a+6} = \frac{16}{7a-11}$$

$$780) \frac{k+13}{k+14} = \frac{19}{10}$$

$$781) \frac{7x+3}{x-9} = \frac{4}{3}$$

$$782) \frac{11}{x-1} = \frac{10}{7x+15}$$



$$783) \frac{9}{8} = \frac{m-10}{7m+4}$$

$$784) \frac{15}{2n-18} = \frac{16}{n+10}$$

$$785) \frac{13}{6} = \frac{x-14}{11x+2}$$

$$786) \frac{n-4}{n-14} = \frac{18}{9}$$

$$787) \frac{13}{7} = \frac{p+19}{13p-5}$$

$$788) \frac{r-1}{12} = \frac{11r+14}{3}$$

$$789) \frac{16}{10} = \frac{b+6}{b+10}$$

$$790) \frac{x+16}{x+15} = \frac{15}{10}$$

$$791) \frac{8}{13n-3} = \frac{5}{n-20}$$

$$792) \frac{19a+3}{18} = \frac{a-18}{20}$$

$$793) \frac{3}{x-15} = \frac{5}{13x+9}$$

$$794) \frac{10}{15} = \frac{x-7}{x+11}$$

$$795) \frac{13v+13}{v-6} = \frac{13}{10}$$

$$796) \frac{9}{17a-16} = \frac{14}{13a+10}$$

$$797) \frac{k+19}{k-1} = \frac{9}{15}$$

$$798) \frac{11n+2}{20} = \frac{n+15}{12}$$

$$799) \frac{14}{p-12} = \frac{7}{17p+9}$$

$$800) \frac{19}{7} = \frac{x-14}{5x+20}$$

$$801) \frac{24}{2} = \frac{41m-8}{m-9}$$

$$802) \frac{r+39}{r+46} = \frac{37}{14}$$

$$803) -\frac{12}{18} = \frac{n+20}{n-24}$$

$$804) \frac{x+33}{41} = \frac{x-49}{49}$$

$$805) \frac{43v-14}{19} = \frac{v+30}{34}$$

$$806) \frac{11}{24} = \frac{b+43}{19b-39}$$

$$807) \frac{31x+18}{x-5} = \frac{7}{31}$$

$$808) \frac{47n+10}{12} = \frac{11n+50}{29}$$

$$809) \frac{k-31}{k-49} = \frac{10}{18}$$

$$810) \frac{23x+37}{x+19} = \frac{22}{20}$$

$$811) \frac{37}{x-44} = \frac{31}{x+20}$$

$$812) \frac{6}{a+39} = \frac{33}{a+26}$$

$$813) \frac{3m-11}{34} = \frac{m+32}{18}$$

$$814) \frac{37p+7}{p-23} = \frac{31}{6}$$

$$815) \frac{17n+44}{11} = \frac{11n+19}{34}$$

$$816) \frac{29}{25} = \frac{13x-35}{x-38}$$

$$817) \frac{n+8}{n+6} = -\frac{38}{29}$$

$$818) \frac{r+38}{r+33} = \frac{33}{12}$$

$$819) \frac{6}{b-7} = \frac{50}{b+20}$$

$$820) \frac{20}{17x-42} = \frac{43}{11x+47}$$

$$821) \frac{n-32}{37} = \frac{19n-40}{43}$$

$$822) \frac{5a+49}{a-45} = \frac{16}{50}$$

$$823) \frac{9}{38} = \frac{29v-9}{5v+47}$$

$$824) \frac{x+43}{x+8} = -\frac{16}{25}$$

$$825) \frac{15}{2} = \frac{29x - 46}{23x - 48}$$

$$826) \frac{a - 11}{a - 26} = \frac{50}{2}$$

$$827) \frac{44}{43k + 16} = -\frac{47}{k + 45}$$

$$828) \frac{20}{13} = \frac{11p + 41}{47p - 44}$$

$$829) \frac{23x + 20}{43} = \frac{x - 8}{19}$$

$$830) \frac{31}{15} = \frac{31n + 4}{n + 8}$$

$$831) \frac{x - 46}{39} = \frac{x - 11}{19}$$

$$832) -\frac{38}{11m - 4} = \frac{44}{m + 24}$$

$$833) \frac{n + 2}{n - 2} = \frac{31}{48}$$

$$834) \frac{2r + 10}{r - 17} = -\frac{6}{11}$$

$$835) \frac{b + 3}{29} = \frac{37b - 46}{44}$$

$$836) \frac{v + 30}{17v - 9} = \frac{6}{20}$$

$$837) \frac{28}{42} = \frac{19x + 48}{5x - 39}$$

$$838) -\frac{13}{15} = \frac{n - 40}{31n - 33}$$

$$839) \frac{19a + 25}{25} = \frac{a - 46}{38}$$

$$840) -\frac{45}{41k - 8} = -\frac{11}{17k + 50}$$

$$841) -\frac{6}{x - 25} = -\frac{13}{41x + 12}$$

$$842) \frac{50}{35} = \frac{p + 2}{p + 35}$$

$$843) \frac{n - 34}{41n - 38} = \frac{25}{29}$$

$$844) \frac{5}{38} = \frac{17m - 50}{m - 47}$$

$$845) \frac{7x + 27}{47} = \frac{x + 41}{13}$$

$$846) -\frac{25}{38} = \frac{43n + 7}{n + 14}$$

$$847) \frac{50}{24} = \frac{p - 3}{3p + 39}$$

$$848) \frac{r - 41}{r - 30} = -\frac{31}{32}$$

$$849) -\frac{20}{b + 2} = \frac{4}{b - 28}$$

$$850) \frac{x + 3}{x - 17} = \frac{39}{44}$$

$$851) \frac{29}{7} = \frac{41n + 22}{n - 10}$$

$$852) \frac{29v - 2}{v + 21} = \frac{24}{32}$$

$$853) \frac{17x + 21}{44} = \frac{x - 15}{47}$$

$$854) \frac{40}{5a + 28} = -\frac{26}{2a - 42}$$

$$855) \frac{19}{7} = \frac{x - 27}{13x + 47}$$

$$856) \frac{n - 30}{n - 4} = -\frac{19}{50}$$

$$857) \frac{k + 40}{27} = \frac{k - 17}{32}$$

$$858) \frac{p + 27}{26} = \frac{31p + 37}{6}$$

$$859) \frac{28}{38} = \frac{x - 19}{19x + 16}$$

$$860) \frac{m + 2}{3m - 44} = \frac{13}{24}$$

$$861) \frac{46}{n - 42} = \frac{24}{2n - 31}$$

$$862) \frac{47}{r + 45} = -\frac{26}{41r + 4}$$

$$863) \frac{x - 30}{x + 33} = -\frac{38}{19}$$

$$864) \frac{42}{7} = \frac{5n - 34}{n + 21}$$

$$865) -\frac{22}{b - 36} = -\frac{13}{b - 49}$$

$$866) \frac{47x - 46}{38} = \frac{x + 41}{10}$$

$$867) \frac{37}{26} = \frac{v-4}{23v-27}$$

$$868) \frac{33}{n+39} = \frac{17}{19n+29}$$

$$869) \frac{13a+29}{11a+18} = \frac{11}{24}$$

$$870) \frac{p-8}{19} = \frac{31p+25}{20}$$

$$871) \frac{7}{k-30} = \frac{38}{k-31}$$

$$872) \frac{x+1}{41} = \frac{x-49}{32}$$

$$873) \frac{45}{n-12} = -\frac{14}{5n-33}$$

$$874) \frac{43p+19}{p+19} = -\frac{26}{10}$$

$$875) -\frac{37}{7} = \frac{m-45}{17m+13}$$

$$876) \frac{x-13}{37x-25} = \frac{33}{32}$$

$$877) \frac{n+27}{45} = \frac{n-50}{7}$$

$$878) \frac{7}{34} = \frac{b+40}{b-6}$$

$$879) \frac{x+25}{x-36} = \frac{37}{14}$$

$$880) \frac{11}{r+38} = \frac{20}{r-49}$$

$$881) \frac{a-45}{11a+15} = \frac{39}{37}$$

$$882) \frac{14}{32} = \frac{x-13}{2x+47}$$

$$883) -\frac{47}{v+3} = -\frac{10}{v+33}$$

$$884) \frac{42}{7n-36} = \frac{14}{43n-30}$$

$$885) \frac{23n+21}{28} = \frac{29n-27}{14}$$

$$886) \frac{k-39}{k+21} = \frac{6}{7}$$

$$887) \frac{3}{x+31} = \frac{26}{x+40}$$

$$888) -\frac{23}{p-2} = -\frac{14}{43p+28}$$

$$889) \frac{13x+9}{47x+18} = \frac{46}{12}$$

$$890) \frac{41n-26}{19} = \frac{n+37}{20}$$

$$891) \frac{r+40}{45} = \frac{r-33}{22}$$

$$892) \frac{33}{42} = \frac{m+24}{17m-39}$$

$$893) \frac{2x-22}{5} = \frac{23x+1}{23}$$

$$894) \frac{b+34}{b-14} = \frac{33}{2}$$



$$895) \frac{40}{23} = \frac{43v + 46}{41v - 34}$$

$$896) -\frac{26}{n - 2} = \frac{20}{n + 21}$$

$$897) \frac{x + 17}{7x + 46} = \frac{8}{46}$$

$$898) \frac{17n + 9}{5n + 30} = \frac{45}{19}$$

$$899) -\frac{41}{33} = \frac{19a + 21}{a + 48}$$

$$900) \frac{45}{23k + 37} = -\frac{14}{k - 35}$$

## Proportions - Integers

Find the unknown

$$1) \frac{2}{6} = \frac{5}{v}$$

{15}

$$2) \frac{6x}{6} = \frac{3}{5}$$

{ $\frac{3}{5}$ }

$$3) \frac{5}{3} = \frac{6}{n}$$

{ $\frac{18}{5}$ }

$$4) \frac{5}{a} = \frac{4}{2}$$

{ $\frac{5}{2}$ }

$$5) \frac{v}{2} = \frac{6}{3}$$

{4}

$$6) \frac{5}{3} = \frac{x}{5}$$

{ $\frac{25}{3}$ }

$$7) \frac{x}{3} = \frac{4}{6}$$

{2}

$$8) \frac{5}{2} = \frac{6}{n}$$

{ $\frac{12}{5}$ }

$$9) \frac{k}{2} = \frac{3}{6}$$

{1}

$$10) \frac{n}{6} = \frac{2}{4}$$

{3}

$$11) \frac{p}{3} = \frac{3}{5}$$

{ $\frac{9}{5}$ }

$$12) \frac{6}{x} = \frac{2}{3}$$

{9}

13)  $\frac{2}{4} = \frac{x}{2}$

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

14)  $\frac{2}{6} = \frac{4}{r}$

$\left\{ \frac{12}{1} \right\}$

15)  $\frac{2}{n} = \frac{3}{2}$

$\left\{ \frac{4}{3} \right\}$

16)  $\frac{5}{v} = \frac{2}{5}$

$\left\{ \frac{25}{2} \right\}$

17)  $\frac{5}{4} = \frac{4}{b}$

$\left\{ \frac{16}{5} \right\}$

18)  $\frac{5}{4} = \frac{a}{3}$

$\left\{ \frac{15}{4} \right\}$

19)  $\frac{6}{5} = \frac{n}{4}$

$\left\{ \frac{24}{5} \right\}$

20)  $\frac{p}{5} = \frac{4}{6}$

$\left\{ \frac{10}{3} \right\}$

21)  $\frac{2}{k} = \frac{4}{3}$

$\left\{ \frac{3}{2} \right\}$

22)  $\frac{6}{2} = \frac{n}{6}$

$\left\{ \frac{18}{1} \right\}$

23)  $\frac{6}{3} = \frac{x}{5}$

$\left\{ \frac{10}{1} \right\}$

24)  $\frac{4}{m} = \frac{3}{2}$

$\left\{ \frac{8}{3} \right\}$

25)  $\frac{6}{2} = \frac{5}{r}$

$\left\{ \frac{5}{3} \right\}$

26)  $\frac{2}{5} = \frac{n}{4}$

$\left\{ \frac{8}{5} \right\}$

$$27) \frac{2}{6} = \frac{4}{x}$$

$$\left\{ \frac{12}{1} \right\}$$

$$28) \frac{4}{5} = \frac{5}{b}$$

$$\left\{ \frac{25}{4} \right\}$$

$$29) \frac{x}{2} = \frac{3}{5}$$

$$\left\{ \frac{6}{5} \right\}$$

$$30) \frac{4}{2} = \frac{5}{v}$$

$$\left\{ \frac{5}{2} \right\}$$

$$31) \frac{4}{5a} = \frac{5}{6}$$

$$\left\{ \frac{24}{25} \right\}$$

$$32) \frac{3}{n} = \frac{6}{3}$$

$$\left\{ \frac{3}{2} \right\}$$

$$33) \frac{4}{6} = \frac{3}{x}$$

$$\left\{ \frac{9}{2} \right\}$$

$$34) \frac{2}{3} = \frac{n}{5}$$

$$\left\{ \frac{10}{3} \right\}$$

$$35) \frac{x}{6} = \frac{2}{5}$$

$$\left\{ \frac{12}{5} \right\}$$

$$36) \frac{4}{p} = \frac{6}{4}$$

$$\left\{ \frac{8}{3} \right\}$$

$$37) \frac{m}{3} = \frac{4}{6}$$

$$\{2\}$$

$$38) \frac{3}{5} = \frac{n}{6}$$

$$\left\{ \frac{18}{5} \right\}$$

$$39) \frac{3}{r} = \frac{6}{5}$$

$$\left\{ \frac{5}{2} \right\}$$

$$40) \frac{5}{x} = \frac{2}{3}$$

$$\left\{ \frac{15}{2} \right\}$$

41)  $\frac{2}{x} = \frac{6}{4}$

$\left\{\frac{4}{3}\right\}$

42)  $\frac{v}{2} = \frac{2}{5}$

$\left\{\frac{4}{5}\right\}$

43)  $\frac{5}{n} = \frac{6}{4}$

$\left\{\frac{10}{3}\right\}$

44)  $\frac{6}{p} = \frac{4}{5}$

$\left\{\frac{15}{2}\right\}$

45)  $\frac{m}{5} = \frac{5}{6}$

$\left\{\frac{25}{6}\right\}$

46)  $\frac{2}{6} = \frac{5}{r}$

$\{15\}$

47)  $\frac{n}{2} = \frac{3}{5}$

$\left\{\frac{6}{5}\right\}$

48)  $\frac{6}{4} = \frac{2}{v}$

$\left\{\frac{4}{3}\right\}$

49)  $\frac{4}{x} = \frac{5}{3}$

$\left\{\frac{12}{5}\right\}$

50)  $\frac{6}{n} = \frac{3}{4}$

$\{8\}$

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

$\left\{\frac{12}{5}\right\}$

52)  $\frac{5}{3} = \frac{4}{5n}$

$\left\{\frac{12}{25}\right\}$

53)  $\frac{6}{3} = \frac{p}{5}$

$\{10\}$

54)  $\frac{k}{5} = \frac{4}{2}$

$\{10\}$

$$55) \frac{3}{4} = \frac{x}{2}$$

$$\left\{ \frac{3}{2} \right\}$$

$$56) \frac{5}{m} = \frac{3}{4}$$

$$\left\{ \frac{20}{3} \right\}$$

$$57) \frac{r}{4} = \frac{6}{5}$$

$$\left\{ \frac{24}{5} \right\}$$

$$58) \frac{4}{6} = \frac{6x}{5}$$

$$\left\{ \frac{5}{9} \right\}$$

$$59) \frac{3}{2} = \frac{4}{x}$$

$$\left\{ \frac{8}{3} \right\}$$

$$60) \frac{6}{m} = \frac{5}{6}$$

$$\left\{ \frac{36}{5} \right\}$$

$$61) \frac{x}{3} = \frac{3}{4}$$

$$\left\{ \frac{9}{4} \right\}$$

$$62) \frac{2}{b} = \frac{3}{5}$$

$$\left\{ \frac{10}{3} \right\}$$

$$63) \frac{v}{3} = \frac{5}{4}$$

$$\left\{ \frac{15}{4} \right\}$$

$$64) \frac{x}{6} = \frac{6}{3}$$

$$\{12\}$$

$$65) \frac{x}{4} = \frac{5}{3}$$

$$\left\{ \frac{20}{3} \right\}$$

$$66) \frac{4}{6} = \frac{2}{k}$$

$$\{3\}$$

$$67) \frac{6}{5} = \frac{3}{p}$$

$$\left\{ \frac{5}{2} \right\}$$

$$68) \frac{2}{6} = \frac{6b}{3}$$

$$\left\{ \frac{1}{6} \right\}$$

$$69) \frac{v}{3} = \frac{6}{2}$$

{9}

$$70) \frac{2x}{5} = \frac{2}{6}$$

$\left\{\frac{5}{6}\right\}$

$$71) \frac{3}{a} = \frac{2}{4}$$

{6}

$$72) \frac{3}{6} = \frac{b}{2}$$

{1}

$$73) \frac{5}{4} = \frac{2}{x}$$

$\left\{\frac{8}{5}\right\}$

$$74) \frac{3}{2} = \frac{6}{p}$$

{4}

$$75) \frac{r}{4} = \frac{4}{2}$$

{8}

$$76) \frac{3}{5} = \frac{6}{6a}$$

$\left\{\frac{5}{3}\right\}$

$$77) \frac{6}{2} = \frac{5}{n}$$

$\left\{\frac{5}{3}\right\}$

$$78) \frac{6}{2} = \frac{2}{x}$$

$\left\{\frac{2}{3}\right\}$

$$79) \frac{6}{4} = \frac{a}{3}$$

$\left\{\frac{9}{2}\right\}$

$$80) \frac{6n}{3} = \frac{6}{4}$$

$\left\{\frac{3}{4}\right\}$

$$81) \frac{6}{3} = \frac{x}{4}$$

{8}

$$82) \frac{4}{6} = \frac{3x}{3}$$

$\left\{\frac{2}{3}\right\}$

$$83) \frac{4}{5} = \frac{6}{v}$$

$$\left\{ \frac{15}{2} \right\}$$

$$84) \frac{4}{2} = \frac{x}{5}$$

$$\{10\}$$

$$85) \frac{6}{4} = \frac{p}{6}$$

$$\{9\}$$

$$86) \frac{3}{n} = \frac{2}{3}$$

$$\left\{ \frac{9}{2} \right\}$$

$$87) \frac{2}{4} = \frac{6a}{3}$$

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

$$88) \frac{3}{2x} = \frac{2}{5}$$

$$\left\{ \frac{15}{4} \right\}$$

$$89) \frac{4}{2} = \frac{a}{3}$$

$$\{6\}$$

$$90) \frac{5}{6} = \frac{2n}{2}$$

$$\left\{ \frac{5}{6} \right\}$$

$$91) \frac{6}{2} = \frac{3x}{4}$$

$$\{4\}$$

$$92) \frac{2}{5x} = \frac{6}{5}$$

$$\left\{ \frac{1}{3} \right\}$$

$$93) \frac{x}{5} = \frac{3}{2}$$

$$\left\{ \frac{15}{2} \right\}$$

$$94) \frac{4}{5} = \frac{2n}{6}$$

$$\left\{ \frac{12}{5} \right\}$$

$$95) \frac{4n}{5} = \frac{4}{6}$$

$$\left\{ \frac{5}{6} \right\}$$

$$96) \frac{6x}{5} = \frac{6}{2}$$

$$\left\{ \frac{5}{2} \right\}$$



97)  $\frac{4}{v} = \frac{3}{4}$

$\left\{ \frac{16}{3} \right\}$

98)  $\frac{2r}{6} = \frac{2}{4}$

$\left\{ \frac{3}{2} \right\}$

99)  $\frac{6}{2} = \frac{5}{5p}$

$\left\{ \frac{1}{3} \right\}$

100)  $\frac{3}{4v} = \frac{4}{3}$

$\left\{ \frac{9}{16} \right\}$

101)  $\frac{5}{6} = \frac{4}{x+1}$

$\left\{ \frac{19}{5} \right\}$

102)  $\frac{6}{n+5} = \frac{4}{3}$

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

103)  $\frac{6}{5} = \frac{a+1}{3}$

$\left\{ \frac{13}{5} \right\}$

104)  $\frac{k+5}{6} = \frac{2}{4}$

$\{-2\}$

105)  $\frac{x+5}{7} = \frac{8}{6}$

$\left\{ \frac{13}{3} \right\}$

106)  $\frac{3}{7} = \frac{8}{n-8}$

$\left\{ \frac{80}{3} \right\}$

107)  $\frac{6}{p-7} = \frac{8}{6}$

$\left\{ \frac{23}{2} \right\}$

108)  $\frac{x-3}{7} = \frac{6}{3}$

$\{17\}$

109)  $\frac{7}{6} = \frac{m-3}{7}$

$\left\{ \frac{67}{6} \right\}$

110)  $\frac{n+1}{5} = \frac{8}{6}$

$\left\{ \frac{17}{3} \right\}$

111)  $\frac{8}{6} = \frac{7}{r-8}$

$\left\{ \frac{53}{4} \right\}$

112)  $\frac{7}{8} = \frac{4}{b-4}$

$\left\{ \frac{60}{7} \right\}$

113)  $\frac{8}{5} = \frac{x+5}{3}$

$\left\{ -\frac{1}{5} \right\}$

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

$\left\{ \frac{29}{3} \right\}$

115)  $\frac{4}{8} = \frac{2}{n+1}$

$\{3\}$

116)  $\frac{4}{5} = \frac{3}{v-8}$

$\left\{ \frac{47}{4} \right\}$

117)  $\frac{8}{3} = \frac{a+5}{2}$

$\left\{ \frac{1}{3} \right\}$

118)  $\frac{4}{8} = \frac{8}{x+5}$

$\{11\}$

119)  $\frac{x-8}{2} = \frac{8}{7}$

$\left\{ \frac{72}{7} \right\}$

120)  $\frac{6}{4} = \frac{k-8}{7}$

$\left\{ \frac{37}{2} \right\}$

121)  $\frac{p-4}{2} = \frac{5}{3}$

$\left\{ \frac{22}{3} \right\}$

122)  $\frac{7}{n-3} = \frac{3}{5}$

$\left\{ \frac{44}{3} \right\}$

123)  $\frac{5}{4} = \frac{x+1}{2}$

$\left\{ \frac{3}{2} \right\}$

124)  $\frac{n-4}{4} = \frac{2}{7}$

$\left\{ \frac{36}{7} \right\}$

$$125) \frac{7}{2} = \frac{3}{m+1}$$

$$\left\{ -\frac{1}{7} \right\}$$

$$126) \frac{2}{x+1} = \frac{7}{2}$$

$$\left\{ -\frac{3}{7} \right\}$$

$$127) \frac{2}{r+5} = \frac{4}{3}$$

$$\left\{ -\frac{7}{2} \right\}$$

$$128) \frac{3}{8} = \frac{n+5}{2}$$

$$\left\{ -\frac{17}{4} \right\}$$

$$129) \frac{b-8}{4} = \frac{3}{2}$$

$$\{14\}$$

$$130) \frac{v+5}{8} = \frac{3}{6}$$

$$\{-1\}$$

$$131) \frac{7}{x-8} = \frac{2}{3}$$

$$\left\{ \frac{37}{2} \right\}$$

$$132) \frac{4}{7} = \frac{3}{n-3}$$

$$\left\{ \frac{33}{4} \right\}$$

$$133) \frac{6}{a+1} = \frac{5}{3}$$

$$\left\{ \frac{13}{5} \right\}$$

$$134) \frac{4}{3} = \frac{5}{k-4}$$

$$\left\{ \frac{31}{4} \right\}$$

$$135) \frac{x+5}{4} = \frac{4}{6}$$

$$\left\{ -\frac{7}{3} \right\}$$

$$136) \frac{5}{p+1} = \frac{3}{4}$$

$$\left\{ \frac{17}{3} \right\}$$

$$137) \frac{n+1}{3} = \frac{4}{8}$$

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

$$138) \frac{2}{m+5} = \frac{3}{4}$$

$$\left\{ -\frac{7}{3} \right\}$$

139)  $\frac{4}{6} = \frac{x+5}{8}$

$\left\{\frac{1}{3}\right\}$

140)  $\frac{5}{3} = \frac{n-8}{8}$

$\left\{\frac{64}{3}\right\}$

141)  $\frac{6}{4} = \frac{2}{r-8}$

$\left\{\frac{28}{3}\right\}$

142)  $\frac{b-3}{8} = \frac{5}{7}$

$\left\{\frac{61}{7}\right\}$

143)  $\frac{v-8}{5} = \frac{7}{8}$

$\left\{\frac{99}{8}\right\}$

144)  $\frac{5}{3} = \frac{x-4}{6}$

$\{14\}$

145)  $\frac{6}{8} = \frac{n+1}{5}$

$\left\{\frac{11}{4}\right\}$

146)  $\frac{6}{v+1} = \frac{2}{4}$

$\{11\}$

147)  $\frac{4}{x+5} = \frac{5}{6}$

$\left\{-\frac{1}{5}\right\}$

148)  $\frac{x-8}{3} = \frac{7}{8}$

$\left\{\frac{85}{8}\right\}$

149)  $\frac{6}{a-4} = \frac{8}{5}$

$\left\{\frac{31}{4}\right\}$

150)  $\frac{n+5}{6} = \frac{2}{7}$

$\left\{-\frac{23}{7}\right\}$

151)  $\frac{2}{k-8} = \frac{5}{6}$

$\left\{\frac{52}{5}\right\}$

152)  $\frac{7}{p+5} = \frac{5}{7}$

$\left\{\frac{24}{5}\right\}$

$$153) \frac{7}{x-8} = \frac{2}{8}$$

{36}

$$154) \frac{n-4}{8} = \frac{7}{4}$$

{18}

$$155) \frac{x+1}{5} = \frac{7}{4}$$

$\left\{ \frac{31}{4} \right\}$

$$156) \frac{r-4}{7} = \frac{6}{8}$$

$\left\{ \frac{37}{4} \right\}$

$$157) \frac{4}{7} = \frac{7}{m-8}$$

$\left\{ \frac{81}{4} \right\}$

$$158) \frac{7}{8} = \frac{5}{n-4}$$

$\left\{ \frac{68}{7} \right\}$

$$159) \frac{8}{6} = \frac{b+1}{4}$$

$\left\{ \frac{13}{3} \right\}$

$$160) \frac{n+5}{8} = \frac{2}{6}$$

$\left\{ -\frac{7}{3} \right\}$

$$161) \frac{7}{3} = \frac{6}{x-3}$$

$\left\{ \frac{39}{7} \right\}$

$$162) \frac{8}{v+5} = \frac{4}{3}$$

{1}

$$163) \frac{7}{3} = \frac{8}{a-8}$$

$\left\{ \frac{80}{7} \right\}$

$$164) \frac{8}{7} = \frac{p-8}{4}$$

$\left\{ \frac{88}{7} \right\}$

$$165) \frac{6}{k+5} = \frac{3}{5}$$

{5}

$$166) \frac{5}{3} = \frac{7}{x-4}$$

$\left\{ \frac{41}{5} \right\}$

$$167) \frac{7}{n-8} = \frac{2}{6}$$

{29}

$$168) \frac{8}{m-4} = \frac{2}{6}$$

{28}

$$169) \frac{r+1}{3} = \frac{5}{7}$$

{ $\frac{8}{7}$ }

$$170) \frac{x-4}{5} = \frac{2}{6}$$

{ $\frac{17}{3}$ }

$$171) \frac{5}{8} = \frac{4}{n-8}$$

{ $\frac{72}{5}$ }

$$172) \frac{x+5}{2} = \frac{2}{8}$$

{ $-\frac{9}{2}$ }

$$173) \frac{n-8}{2} = \frac{2}{7}$$

{ $\frac{60}{7}$ }

$$174) \frac{4}{5} = \frac{2}{v-6}$$

{ $\frac{17}{2}$ }

$$175) \frac{a+4}{3} = \frac{8}{5}$$

{ $\frac{4}{5}$ }

$$176) \frac{7}{3} = \frac{8}{k-8}$$

{ $\frac{80}{7}$ }

$$177) \frac{2}{3} = \frac{7}{x-4}$$

{ $\frac{29}{2}$ }

$$178) \frac{3}{x-8} = \frac{5}{6}$$

{ $\frac{58}{5}$ }

$$179) \frac{3}{n-4} = \frac{7}{6}$$

{ $\frac{46}{7}$ }

$$180) \frac{5}{k-5} = \frac{8}{2}$$

{ $\frac{25}{4}$ }

$$181) \frac{p-4}{4} = \frac{4}{7}$$

$$\left\{ \frac{44}{7} \right\}$$

$$182) \frac{x-3}{7} = \frac{4}{5}$$

$$\left\{ \frac{43}{5} \right\}$$

$$183) \frac{2}{4} = \frac{3}{n+5}$$

$$\{1\}$$

$$184) \frac{4}{3} = \frac{m-1}{2}$$

$$\left\{ \frac{11}{3} \right\}$$

$$185) \frac{r+4}{4} = \frac{2}{7}$$

$$\left\{ -\frac{20}{7} \right\}$$

$$186) \frac{b-8}{5} = \frac{7}{6}$$

$$\left\{ \frac{83}{6} \right\}$$

$$187) \frac{4}{7} = \frac{5}{v-4}$$

$$\left\{ \frac{51}{4} \right\}$$

$$188) \frac{8}{n+4} = \frac{4}{5}$$

$$\{6\}$$

$$189) \frac{a-8}{5} = \frac{6}{8}$$

$$\left\{ \frac{47}{4} \right\}$$

$$190) \frac{6}{5} = \frac{5}{x-4}$$

$$\left\{ \frac{49}{6} \right\}$$

$$191) \frac{4}{5} = \frac{6}{x-8}$$

$$\left\{ \frac{31}{2} \right\}$$

$$192) \frac{4}{k-4} = \frac{3}{6}$$

$$\{12\}$$

$$193) \frac{3}{6} = \frac{2}{n-8}$$

$$\{12\}$$

$$194) \frac{7}{6} = \frac{3}{p-6}$$

$$\left\{ \frac{60}{7} \right\}$$

195)  $\frac{6}{m+4} = \frac{2}{6}$

$\left\{ \frac{14}{3} \right\}$

196)  $\frac{6}{x+5} = \frac{8}{3}$

$\left\{ -\frac{11}{4} \right\}$

197)  $\frac{x-4}{8} = \frac{7}{3}$

$\left\{ \frac{68}{3} \right\}$

198)  $\frac{7}{r-8} = \frac{5}{8}$

$\left\{ \frac{96}{5} \right\}$

199)  $\frac{b-4}{7} = \frac{7}{8}$

$\left\{ \frac{81}{8} \right\}$

200)  $\frac{7}{n-8} = \frac{5}{7}$

$\left\{ \frac{89}{5} \right\}$

201)  $\frac{v+9}{8} = \frac{4}{10}$

$\left\{ -\frac{29}{5} \right\}$

202)  $\frac{7}{x+2} = \frac{6}{3}$

$\left\{ \frac{3}{2} \right\}$

203)  $\frac{a+2}{2} = \frac{10}{7}$

$\left\{ \frac{6}{7} \right\}$

204)  $\frac{5}{6} = \frac{3}{7n+2}$

$\left\{ \frac{8}{35} \right\}$

205)  $\frac{7k+9}{7} = \frac{7}{10}$

$\left\{ -\frac{41}{70} \right\}$

206)  $\frac{4}{5} = \frac{x+1}{2}$

$\left\{ \frac{3}{5} \right\}$

207)  $\frac{9}{7n+6} = \frac{7}{10}$

$\left\{ \frac{48}{49} \right\}$

208)  $\frac{7}{10} = \frac{k+7}{6}$

$\left\{ -\frac{14}{5} \right\}$



$$209) \frac{6}{5} = \frac{7x+9}{2}$$

$$\left\{-\frac{33}{35}\right\}$$

$$210) \frac{x+6}{6} = \frac{5}{9}$$

$$\left\{-\frac{8}{3}\right\}$$

$$211) \frac{6}{2} = \frac{2}{2p+6}$$

$$\left\{-\frac{8}{3}\right\}$$

$$212) \frac{6}{m+5} = \frac{3}{7}$$

$$\{9\}$$

$$213) \frac{10}{n-9} = \frac{6}{3}$$

$$\{14\}$$

$$214) \frac{2}{4} = \frac{r-9}{9}$$

$$\left\{\frac{27}{2}\right\}$$

$$215) \frac{6}{3x+10} = \frac{10}{8}$$

$$\left\{-\frac{26}{15}\right\}$$

$$216) \frac{b+4}{8} = \frac{5}{2}$$

$$\{16\}$$

$$217) \frac{5}{3} = \frac{10}{n-10}$$

$$\{16\}$$

$$218) \frac{4}{x+3} = \frac{5}{9}$$

$$\left\{\frac{21}{5}\right\}$$

$$219) \frac{10}{8} = \frac{v+10}{4}$$

$$\{-5\}$$

$$220) \frac{3}{5x+7} = \frac{9}{2}$$

$$\left\{-\frac{19}{15}\right\}$$

$$221) \frac{10}{a+3} = \frac{8}{4}$$

$$\{2\}$$

$$222) \frac{5k+6}{4} = \frac{5}{7}$$

$$\left\{-\frac{22}{35}\right\}$$

223)  $\frac{5p+4}{2} = \frac{9}{6}$

$\left\{-\frac{1}{5}\right\}$

224)  $\frac{4}{2} = \frac{x+8}{8}$

$\{8\}$

225)  $\frac{3}{7} = \frac{n-7}{10}$

$\left\{\frac{79}{7}\right\}$

226)  $\frac{9}{10} = \frac{7r-10}{8}$

$\left\{\frac{86}{35}\right\}$

227)  $\frac{4}{5} = \frac{7}{m+8}$

$\left\{\frac{3}{4}\right\}$

228)  $\frac{n-8}{4} = \frac{3}{6}$

$\{10\}$

229)  $\frac{8}{7} = \frac{6}{x+7}$

$\left\{-\frac{7}{4}\right\}$

230)  $\frac{5}{6} = \frac{7b+8}{5}$

$\left\{-\frac{23}{42}\right\}$

231)  $\frac{2}{v-9} = \frac{9}{8}$

$\left\{\frac{97}{9}\right\}$

232)  $\frac{5}{3} = \frac{2}{n-9}$

$\left\{\frac{51}{5}\right\}$

233)  $\frac{10}{5} = \frac{6}{2x+8}$

$\left\{-\frac{5}{2}\right\}$

234)  $\frac{2a-6}{10} = \frac{7}{5}$

$\{10\}$

235)  $\frac{6}{3} = \frac{x-4}{7}$

$\{18\}$

236)  $\frac{9}{7} = \frac{2}{2k+5}$

$\left\{-\frac{31}{18}\right\}$

$$237) \frac{n-4}{4} = \frac{8}{7}$$

$$\left\{ \frac{60}{7} \right\}$$

$$238) \frac{2x+4}{3} = \frac{10}{4}$$

$$\left\{ \frac{7}{4} \right\}$$

$$239) \frac{9}{10} = \frac{p-5}{5}$$

$$\left\{ \frac{19}{2} \right\}$$

$$240) \frac{9}{3} = \frac{8}{x+9}$$

$$\left\{ -\frac{19}{3} \right\}$$

$$241) \frac{2}{3m-9} = \frac{9}{4}$$

$$\left\{ \frac{89}{27} \right\}$$

$$242) \frac{7}{8} = \frac{6}{3n+9}$$

$$\left\{ -\frac{5}{7} \right\}$$

$$243) \frac{r-6}{9} = \frac{4}{2}$$

$$\{24\}$$

$$244) \frac{3}{10} = \frac{m+8}{9}$$

$$\left\{ -\frac{53}{10} \right\}$$

$$245) \frac{4}{x+6} = \frac{5}{6}$$

$$\left\{ -\frac{6}{5} \right\}$$

$$246) \frac{8}{4} = \frac{n-7}{3}$$

$$\{13\}$$

$$247) \frac{9}{6} = \frac{v-8}{4}$$

$$\{14\}$$

$$248) \frac{5}{7x-8} = \frac{6}{4}$$

$$\left\{ \frac{34}{21} \right\}$$

$$249) \frac{9}{5b+5} = \frac{3}{5}$$

$$\{2\}$$

$$250) \frac{2}{x-8} = \frac{8}{2}$$

$$\left\{ \frac{17}{2} \right\}$$

$$251) \frac{10}{5} = \frac{8}{a-2}$$

{6}

$$252) \frac{6}{2} = \frac{p-3}{6}$$

{21}

$$253) \frac{3}{k-9} = \frac{5}{10}$$

{15}

$$254) \frac{7x+10}{8} = \frac{9}{2}$$

{ $\frac{26}{7}$ }

$$255) \frac{2}{m+3} = \frac{5}{2}$$

{ $-\frac{11}{5}$ }

$$256) \frac{5}{n-3} = \frac{10}{7}$$

{ $\frac{13}{2}$ }

$$257) \frac{8}{x+2} = \frac{9}{10}$$

{ $\frac{62}{9}$ }

$$258) \frac{4}{8} = \frac{6}{n-5}$$

{17}

$$259) \frac{9}{2r+6} = \frac{6}{7}$$

{ $\frac{9}{4}$ }

$$260) \frac{9}{5} = \frac{b+1}{2}$$

{ $\frac{13}{5}$ }

$$261) \frac{7}{9} = \frac{3v-7}{8}$$

{ $\frac{119}{27}$ }

$$262) \frac{n-6}{5} = \frac{8}{2}$$

{26}

$$263) \frac{10}{x+1} = \frac{8}{4}$$

{4}

$$264) \frac{3}{5} = \frac{3a-10}{8}$$

{ $\frac{74}{15}$ }

$$265) \frac{4}{5} = \frac{k-7}{7}$$

$$\left\{ \frac{63}{5} \right\}$$

$$266) \frac{3x+10}{4} = \frac{3}{9}$$

$$\left\{ -\frac{26}{9} \right\}$$

$$267) \frac{8}{10} = \frac{x+6}{5}$$

$$\{-2\}$$

$$268) \frac{p-2}{9} = \frac{4}{10}$$

$$\left\{ \frac{28}{5} \right\}$$

$$269) \frac{7}{9} = \frac{4}{5m+7}$$

$$\left\{ -\frac{13}{35} \right\}$$

$$270) \frac{6}{7} = \frac{3}{5n-3}$$

$$\left\{ \frac{13}{10} \right\}$$

$$271) \frac{5x+7}{9} = \frac{7}{4}$$

$$\left\{ \frac{7}{4} \right\}$$

$$272) \frac{4}{7} = \frac{5}{n-3}$$

$$\left\{ \frac{47}{4} \right\}$$

$$273) \frac{10}{9} = \frac{7m-7}{10}$$

$$\left\{ \frac{163}{63} \right\}$$

$$274) \frac{9}{4} = \frac{8}{r-3}$$

$$\left\{ \frac{59}{9} \right\}$$

$$275) \frac{5}{6} = \frac{4}{x+3}$$

$$\left\{ \frac{9}{5} \right\}$$

$$276) \frac{5}{7n-10} = \frac{6}{3}$$

$$\left\{ \frac{25}{14} \right\}$$

$$277) \frac{b+2}{2} = \frac{10}{9}$$

$$\left\{ \frac{2}{9} \right\}$$

$$278) \frac{6}{7} = \frac{5}{v+8}$$

$$\left\{ -\frac{13}{6} \right\}$$

$$279) \frac{5}{10} = \frac{3}{x+2}$$

$\left\{4\right\}$

$$280) \frac{2x-2}{6} = \frac{10}{8}$$

$\left\{\frac{19}{4}\right\}$

$$281) \frac{6}{3} = \frac{k+7}{7}$$

$\left\{7\right\}$

$$282) \frac{10}{2a+8} = \frac{7}{6}$$

$\left\{\frac{2}{7}\right\}$

$$283) \frac{5}{x+7} = \frac{8}{6}$$

$\left\{-\frac{13}{4}\right\}$

$$284) \frac{5}{2} = \frac{2}{2p-5}$$

$\left\{\frac{29}{10}\right\}$

$$285) \frac{5}{10} = \frac{n-6}{3}$$

$\left\{\frac{15}{2}\right\}$

$$286) \frac{7}{m+6} = \frac{2}{6}$$

$\left\{15\right\}$

$$287) \frac{9}{r-1} = \frac{7}{2}$$

$\left\{\frac{25}{7}\right\}$

$$288) \frac{5}{3x-9} = \frac{9}{8}$$

$\left\{\frac{121}{27}\right\}$

$$289) \frac{b+5}{8} = \frac{3}{9}$$

$\left\{-\frac{7}{3}\right\}$

$$290) \frac{9}{n-10} = \frac{2}{3}$$

$\left\{\frac{47}{2}\right\}$

$$291) \frac{8}{v-10} = \frac{7}{4}$$

$\left\{\frac{102}{7}\right\}$

$$292) \frac{4}{9} = \frac{3}{x+4}$$

$\left\{\frac{11}{4}\right\}$

$$293) \frac{8}{2} = \frac{3}{5n+9}$$

$$\left\{ -\frac{33}{20} \right\}$$

$$294) \frac{10}{a+3} = \frac{8}{2}$$

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

$$295) \frac{5}{5k-5} = \frac{7}{4}$$

$$\left\{ \frac{11}{7} \right\}$$

$$296) \frac{9}{7x+6} = \frac{4}{9}$$

$$\left\{ \frac{57}{28} \right\}$$

$$297) \frac{7}{4} = \frac{8}{x+9}$$

$$\left\{ -\frac{31}{7} \right\}$$

$$298) \frac{5}{6} = \frac{7n-8}{10}$$

$$\left\{ \frac{7}{3} \right\}$$

$$299) \frac{10}{5} = \frac{7p-8}{9}$$

$$\left\{ \frac{26}{7} \right\}$$

$$300) \frac{3}{5} = \frac{7}{m+8}$$

$$\left\{ \frac{11}{3} \right\}$$

$$301) \frac{n-7}{n} = \frac{4}{10}$$

$$\left\{ \frac{35}{3} \right\}$$

$$302) \frac{x}{7} = \frac{x+7}{6}$$

$$\{-49\}$$

$$303) \frac{6}{5} = \frac{b}{b+7}$$

$$\{-42\}$$

$$304) \frac{x+6}{6} = \frac{x}{5}$$

$$\{30\}$$

$$305) \frac{2}{r} = \frac{7}{r-8}$$

$$\left\{ -\frac{16}{5} \right\}$$

$$306) \frac{v}{10} = \frac{v-9}{2}$$

$$\left\{ \frac{45}{4} \right\}$$

$$307) \frac{7}{5} = \frac{b+5}{b}$$

$$\left\{ \frac{25}{2} \right\}$$

$$308) \frac{4}{6} = \frac{x}{x+5}$$

$$\{10\}$$

$$309) \frac{10}{n} = \frac{5}{n-9}$$

$$\{18\}$$

$$310) \frac{a-4}{8} = \frac{a}{4}$$

$$\{-4\}$$

$$311) \frac{k+10}{2} = \frac{k}{10}$$

$$\left\{ -\frac{25}{2} \right\}$$

$$312) \frac{3}{9} = \frac{x-10}{x}$$

$$\{15\}$$

$$313) \frac{9}{3} = \frac{p-5}{p}$$

$$\left\{ -\frac{5}{2} \right\}$$

$$314) \frac{n}{4} = \frac{n-5}{8}$$

$$\{-5\}$$

$$315) \frac{8}{3} = \frac{x}{x+10}$$

$$\{-16\}$$

$$316) \frac{9}{m} = \frac{2}{m+9}$$

$$\left\{ -\frac{81}{7} \right\}$$

$$317) \frac{x+8}{4} = \frac{x}{8}$$

$$\{-16\}$$

$$318) \frac{2}{9} = \frac{r}{r-6}$$

$$\left\{ -\frac{12}{7} \right\}$$

$$319) \frac{10n}{8} = \frac{n-3}{2}$$

$$\{-2\}$$

$$320) \frac{8}{5} = \frac{b}{b+8}$$

$$\left\{ -\frac{64}{3} \right\}$$



$$321) \frac{v}{2} = \frac{v-7}{9}$$

$$\{-2\}$$

$$322) \frac{x}{7} = \frac{x-1}{4}$$

$$\left\{\frac{7}{3}\right\}$$

$$323) \frac{5}{8} = \frac{a}{a-2}$$

$$\left\{-\frac{10}{3}\right\}$$

$$324) \frac{10}{2} = \frac{n-8}{n}$$

$$\{-2\}$$

$$325) \frac{4}{10} = \frac{k-8}{k}$$

$$\left\{\frac{40}{3}\right\}$$

$$326) \frac{9}{6} = \frac{x+1}{7x}$$

$$\left\{\frac{2}{19}\right\}$$

$$327) \frac{5}{3} = \frac{n}{n-3}$$

$$\left\{\frac{15}{2}\right\}$$

$$328) \frac{5}{8} = \frac{x-9}{x}$$

$$\{24\}$$

$$329) \frac{10}{2} = \frac{m}{m-10}$$

$$\left\{\frac{25}{2}\right\}$$

$$330) \frac{7}{5} = \frac{p-4}{p}$$

$$\{-10\}$$

$$331) \frac{n-4}{6} = \frac{n}{4}$$

$$\{-8\}$$

$$332) \frac{5}{3} = \frac{x}{x-10}$$

$$\{25\}$$

$$333) \frac{9}{2} = \frac{b}{b+2}$$

$$\left\{-\frac{18}{7}\right\}$$

$$334) \frac{x+1}{x} = \frac{4}{10}$$

$$\left\{-\frac{5}{3}\right\}$$

$$335) \frac{r}{r-5} = \frac{5}{7}$$

$$\left\{ -\frac{25}{2} \right\}$$

$$336) \frac{3}{8} = \frac{n}{n-6}$$

$$\left\{ -\frac{18}{5} \right\}$$

$$337) \frac{3}{9} = \frac{b+1}{b}$$

$$\left\{ -\frac{3}{2} \right\}$$

$$338) \frac{v-6}{7} = \frac{v}{4}$$

$$\{-8\}$$

$$339) \frac{2}{4} = \frac{x-1}{x}$$

$$\{2\}$$

$$340) \frac{2}{8} = \frac{x}{x-7}$$

$$\left\{ -\frac{7}{3} \right\}$$

$$341) \frac{a}{8} = \frac{a-1}{3}$$

$$\left\{ \frac{8}{5} \right\}$$

$$342) \frac{4}{6} = \frac{p-1}{p}$$

$$\{3\}$$

$$343) \frac{x+5}{9} = \frac{x}{2}$$

$$\left\{ \frac{10}{7} \right\}$$

$$344) \frac{9}{k-8} = \frac{3}{k}$$

$$\{-4\}$$

$$345) \frac{n-2}{5} = \frac{n}{7}$$

$$\{7\}$$

$$346) \frac{6}{4} = \frac{r}{r-3}$$

$$\{9\}$$

$$347) \frac{6}{3} = \frac{x+3}{x}$$

$$\{3\}$$

$$348) \frac{2}{10} = \frac{m}{m+4}$$

$$\{1\}$$

$$349) \frac{b+3}{b} = \frac{10}{2}$$

$$\left\{ \frac{3}{4} \right\}$$

$$350) \frac{6}{n} = \frac{5}{n-3}$$

$$\{18\}$$

$$351) \frac{x}{10} = \frac{x+2}{2}$$

$$\left\{ -\frac{5}{2} \right\}$$

$$352) \frac{6}{v+10} = \frac{5}{7v}$$

$$\left\{ \frac{50}{37} \right\}$$

$$353) \frac{n}{n-5} = \frac{6}{9}$$

$$\{-10\}$$

$$354) \frac{a}{9} = \frac{a+2}{10}$$

$$\{18\}$$

$$355) \frac{k}{4} = \frac{k+8}{7}$$

$$\left\{ \frac{32}{3} \right\}$$

$$356) \frac{10}{9} = \frac{x}{x+1}$$

$$\{-10\}$$

$$357) \frac{6}{5} = \frac{x+7}{x}$$

$$\{35\}$$

$$358) \frac{4}{n+4} = \frac{3}{n}$$

$$\{12\}$$

$$359) \frac{x+6}{x} = \frac{8}{4}$$

$$\{6\}$$

$$360) \frac{p}{p+4} = \frac{2}{8}$$

$$\left\{ \frac{4}{3} \right\}$$

$$361) \frac{7}{m+6} = \frac{3}{m}$$

$$\left\{ \frac{9}{2} \right\}$$

$$362) \frac{3}{n-1} = \frac{7}{n}$$

$$\left\{ \frac{7}{4} \right\}$$

$$363) \frac{r-2}{4} = \frac{r}{8}$$

$\{4\}$

$$364) \frac{7}{3} = \frac{b+5}{b}$$

$\left\{\frac{15}{4}\right\}$

$$365) \frac{x}{3} = \frac{x+4}{9}$$

$\{2\}$

$$366) \frac{7}{3} = \frac{n}{n-10}$$

$\left\{\frac{35}{2}\right\}$

$$367) \frac{7}{v} = \frac{4}{v+10}$$

$\left\{-\frac{70}{3}\right\}$

$$368) \frac{2}{x+3} = \frac{9}{x}$$

$\left\{-\frac{27}{7}\right\}$

$$369) \frac{x+9}{x} = \frac{3}{6}$$

$\{-18\}$

$$370) \frac{4}{10} = \frac{a+2}{a}$$

$\left\{-\frac{10}{3}\right\}$

$$371) \frac{7}{k} = \frac{5}{k+9}$$

$\left\{-\frac{63}{2}\right\}$

$$372) \frac{10}{9} = \frac{p}{p+2}$$

$\{-20\}$

$$373) \frac{x}{5} = \frac{x+8}{6}$$

$\{40\}$

$$374) \frac{3}{10} = \frac{n+1}{n}$$

$\left\{-\frac{10}{7}\right\}$

$$375) \frac{r-8}{r} = \frac{2}{9}$$

$\left\{\frac{72}{7}\right\}$

$$376) \frac{n-8}{n} = \frac{8}{10}$$

$\{40\}$

$$377) \frac{6}{x+7} = \frac{4}{x}$$

{14}

$$378) \frac{b}{b+6} = \frac{5}{7}$$

{15}

$$379) \frac{v}{8} = \frac{v-9}{2}$$

{12}

$$380) \frac{a}{a+5} = \frac{4}{8}$$

{5}

$$381) \frac{2}{5} = \frac{7k}{k+3}$$

$\left\{ \frac{2}{11} \right\}$

$$382) \frac{3}{7} = \frac{x}{x+4}$$

{3}

$$383) \frac{8}{n-5} = \frac{2}{n}$$

$\left\{ -\frac{5}{3} \right\}$

$$384) \frac{p-5}{p} = \frac{9}{2}$$

$\left\{ -\frac{10}{7} \right\}$

$$385) \frac{2}{7} = \frac{m+10}{m}$$

{-14}

$$386) \frac{4}{x+9} = \frac{7}{x}$$

{-21}

$$387) \frac{b}{b+8} = \frac{6}{5}$$

{-48}

$$388) \frac{9}{r} = \frac{5}{r-7}$$

$\left\{ \frac{63}{4} \right\}$

$$389) \frac{4}{x+8} = \frac{7}{x}$$

$\left\{ -\frac{56}{3} \right\}$

$$390) \frac{x}{10} = \frac{x-1}{3}$$

$\left\{ \frac{10}{7} \right\}$

$$391) \frac{10}{8} = \frac{n}{n-7}$$

{35}

$$392) \frac{7}{a+7} = \frac{5}{a}$$

$\left\{ \frac{35}{2} \right\}$

$$393) \frac{v-8}{2} = \frac{v}{10}$$

{10}

$$394) \frac{x}{x-2} = \frac{6}{10}$$

{-3}

$$395) \frac{a-2}{4} = \frac{a}{5}$$

{10}

$$396) \frac{x}{x-9} = \frac{9}{7}$$

$\left\{ \frac{81}{2} \right\}$

$$397) \frac{p}{p-3} = \frac{3}{6}$$

{-3}

$$398) \frac{x}{x-10} = \frac{9}{4}$$

{18}

$$399) \frac{9}{2} = \frac{m}{m+10}$$

$\left\{ -\frac{90}{7} \right\}$

$$400) \frac{r-4}{7} = \frac{r}{3}$$

{-3}

$$401) \frac{5}{x} = \frac{11}{5x-2}$$

$\left\{ \frac{5}{7} \right\}$

$$402) \frac{5n-5}{n} = \frac{4}{8}$$

$\left\{ \frac{10}{9} \right\}$

$$403) \frac{x}{10} = \frac{x+9}{4}$$

{-15}

$$404) \frac{v}{11} = \frac{v-11}{8}$$

$\left\{ \frac{121}{3} \right\}$

$$405) \frac{n}{4} = \frac{n+4}{7}$$

$$\left\{ \frac{16}{3} \right\}$$

$$406) \frac{5b+9}{8} = \frac{b}{10}$$

$$\left\{ -\frac{15}{7} \right\}$$

$$407) \frac{4}{p} = \frac{7}{p+8}$$

$$\left\{ \frac{32}{3} \right\}$$

$$408) \frac{5a+5}{a} = \frac{10}{6}$$

$$\left\{ -\frac{3}{2} \right\}$$

$$409) \frac{12}{11} = \frac{k}{2k-4}$$

$$\left\{ \frac{48}{13} \right\}$$

$$410) \frac{x}{10} = \frac{x+4}{8}$$

$$\{-20\}$$

$$411) \frac{n-8}{n} = \frac{12}{9}$$

$$\{-24\}$$

$$412) \frac{11m+12}{4} = \frac{m}{3}$$

$$\left\{ -\frac{36}{29} \right\}$$

$$413) \frac{9}{6} = \frac{2p+1}{p}$$

$$\{-2\}$$

$$414) \frac{7}{9} = \frac{r-8}{2r}$$

$$\left\{ -\frac{72}{5} \right\}$$

$$415) \frac{2x-9}{11} = \frac{x}{8}$$

$$\left\{ \frac{72}{5} \right\}$$

$$416) \frac{3}{11} = \frac{n}{n-9}$$

$$\left\{ -\frac{27}{8} \right\}$$

$$417) \frac{11x-12}{2} = \frac{x}{11}$$

$$\left\{ \frac{132}{119} \right\}$$

$$418) \frac{10}{b} = \frac{2}{b+12}$$

$$\{-15\}$$

$$419) \frac{10n}{2} = \frac{n+3}{4}$$

$$\left\{ \frac{3}{19} \right\}$$

$$420) \frac{8}{v+6} = \frac{3}{v}$$

$$\left\{ \frac{18}{5} \right\}$$

$$421) \frac{10}{9} = \frac{x+1}{x}$$

$$\{9\}$$

$$422) \frac{4}{a} = \frac{5}{a+11}$$

$$\{44\}$$

$$423) \frac{x}{5x-7} = \frac{9}{6}$$

$$\left\{ \frac{21}{13} \right\}$$

$$424) \frac{5k+4}{k} = \frac{3}{6}$$

$$\left\{ -\frac{8}{9} \right\}$$

$$425) \frac{p}{p-6} = \frac{4}{11}$$

$$\left\{ -\frac{24}{7} \right\}$$

$$426) \frac{4}{x-11} = \frac{2}{x}$$

$$\{-11\}$$

$$427) \frac{7}{12} = \frac{n}{3n+5}$$

$$\left\{ -\frac{35}{9} \right\}$$

$$428) \frac{2}{5n-10} = \frac{4}{n}$$

$$\left\{ \frac{20}{9} \right\}$$

$$429) \frac{m}{9} = \frac{5m-6}{4}$$

$$\left\{ \frac{54}{41} \right\}$$

$$430) \frac{r}{2} = \frac{r-7}{12}$$

$$\left\{ -\frac{7}{5} \right\}$$

$$431) \frac{x-12}{3} = \frac{x}{9}$$

$$\{18\}$$

$$432) \frac{n}{n+9} = \frac{3}{6}$$

$$\{9\}$$



$$433) \frac{11x-4}{x} = \frac{7}{6}$$

$$\left\{ \frac{24}{59} \right\}$$

$$434) \frac{2}{3} = \frac{11v+6}{v}$$

$$\left\{ -\frac{18}{31} \right\}$$

$$435) \frac{a+3}{a} = \frac{11}{8}$$

$$\{8\}$$

$$436) \frac{n}{9} = \frac{2n+10}{11}$$

$$\left\{ -\frac{90}{7} \right\}$$

$$437) \frac{2}{k-9} = \frac{3}{k}$$

$$\{27\}$$

$$438) \frac{10}{2} = \frac{n+2}{n}$$

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

$$439) \frac{7}{x} = \frac{9}{11x+8}$$

$$\left\{ -\frac{14}{17} \right\}$$

$$440) \frac{5}{p} = \frac{9}{11p+11}$$

$$\left\{ -\frac{55}{46} \right\}$$

$$441) \frac{m}{9} = \frac{m-9}{5}$$

$$\left\{ \frac{81}{4} \right\}$$

$$442) \frac{p}{7} = \frac{p+11}{8}$$

$$\{77\}$$

$$443) \frac{x+6}{x} = \frac{10}{2}$$

$$\left\{ \frac{3}{2} \right\}$$

$$444) \frac{5b+9}{b} = \frac{12}{4}$$

$$\left\{ -\frac{9}{2} \right\}$$

$$445) \frac{7}{n} = \frac{9}{5n-12}$$

$$\left\{ \frac{42}{13} \right\}$$

$$446) \frac{7}{r} = \frac{4}{5r-1}$$

$$\left\{ \frac{7}{31} \right\}$$

447)  $\frac{n}{7} = \frac{n-6}{12}$

$\left\{ -\frac{42}{5} \right\}$

448)  $\frac{8}{x} = \frac{9}{x+6}$

$\{48\}$

449)  $\frac{3}{10} = \frac{a}{3a-1}$

$\{-3\}$

450)  $\frac{x}{3} = \frac{x-7}{11}$

$\left\{ -\frac{21}{8} \right\}$

451)  $\frac{3}{x} = \frac{12}{x+5}$

$\left\{ \frac{5}{3} \right\}$

452)  $\frac{6}{3v-2} = \frac{2}{7v}$

$\left\{ -\frac{1}{9} \right\}$

453)  $\frac{6}{8} = \frac{n-12}{n}$

$\{48\}$

454)  $\frac{12}{11} = \frac{3p+1}{p}$

$\left\{ -\frac{11}{21} \right\}$

455)  $\frac{2}{5} = \frac{x}{11x-10}$

$\left\{ \frac{20}{17} \right\}$

456)  $\frac{n}{5} = \frac{2n+5}{9}$

$\{-25\}$

457)  $\frac{8}{k+9} = \frac{2}{k}$

$\{3\}$

458)  $\frac{m+8}{m} = \frac{6}{11}$

$\left\{ -\frac{88}{5} \right\}$

459)  $\frac{2}{r-4} = \frac{7}{r}$

$\left\{ \frac{28}{5} \right\}$

460)  $\frac{n}{8} = \frac{11n+2}{7}$

$\left\{ -\frac{16}{81} \right\}$

$$461) \frac{b}{7} = \frac{b+7}{10}$$

$$\left\{ \frac{49}{3} \right\}$$

$$462) \frac{5}{x} = \frac{3}{11x+6}$$

$$\left\{ -\frac{15}{26} \right\}$$

$$463) \frac{4}{12} = \frac{x-9}{x}$$

$$\left\{ \frac{27}{2} \right\}$$

$$464) \frac{4}{v-4} = \frac{2}{v}$$

$$\{-4\}$$

$$465) \frac{7}{6} = \frac{n}{n+11}$$

$$\{-77\}$$

$$466) \frac{5}{11a+7} = \frac{9}{a}$$

$$\left\{ -\frac{63}{94} \right\}$$

$$467) \frac{k}{5k-3} = \frac{4}{10}$$

$$\left\{ \frac{6}{5} \right\}$$

$$468) \frac{p}{p-10} = \frac{6}{7}$$

$$\{-60\}$$

$$469) \frac{12}{8} = \frac{n+6}{n}$$

$$\{12\}$$

$$470) \frac{11}{x+10} = \frac{9}{x}$$

$$\{45\}$$

$$471) \frac{3r+9}{12} = \frac{r}{6}$$

$$\{-9\}$$

$$472) \frac{m}{3} = \frac{3m-6}{8}$$

$$\{18\}$$

$$473) \frac{8}{x+10} = \frac{7}{x}$$

$$\{70\}$$

$$474) \frac{n}{n-2} = \frac{6}{11}$$

$$\left\{ -\frac{12}{5} \right\}$$

$$475) \frac{b}{b-7} = \frac{12}{6}$$

$\{14\}$

$$476) \frac{r-11}{8} = \frac{r}{7}$$

$\{-77\}$

$$477) \frac{10}{11} = \frac{3x-4}{x}$$

$\left\{\frac{44}{23}\right\}$

$$478) \frac{n}{2} = \frac{11n+10}{3}$$

$\left\{-\frac{20}{19}\right\}$

$$479) \frac{a-7}{a} = \frac{5}{7}$$

$\left\{\frac{49}{2}\right\}$

$$480) \frac{v-12}{7} = \frac{v}{5}$$

$\{-30\}$

$$481) \frac{x}{12} = \frac{x+8}{10}$$

$\{-48\}$

$$482) \frac{11}{9} = \frac{11x+4}{x}$$

$\left\{-\frac{9}{22}\right\}$

$$483) \frac{k+12}{9k} = \frac{9}{10}$$

$\left\{\frac{120}{71}\right\}$

$$484) \frac{8}{n} = \frac{5}{11n-3}$$

$\left\{\frac{24}{83}\right\}$

$$485) \frac{p}{6} = \frac{p+7}{2}$$

$\left\{-\frac{21}{2}\right\}$

$$486) \frac{4}{6} = \frac{x}{x-4}$$

$\{-8\}$

$$487) \frac{n-9}{6} = \frac{n}{11}$$

$\left\{\frac{99}{5}\right\}$

$$488) \frac{m}{7m+2} = \frac{9}{3}$$

$\left\{-\frac{3}{10}\right\}$

$$489) \frac{n+3}{9} = \frac{10n}{5}$$

$$\left\{ \frac{3}{17} \right\}$$

$$490) \frac{11}{x} = \frac{3}{x-5}$$

$$\left\{ \frac{55}{8} \right\}$$

$$491) \frac{b}{12} = \frac{b+11}{4}$$

$$\left\{ -\frac{33}{2} \right\}$$

$$492) \frac{12}{r} = \frac{8}{5r-9}$$

$$\left\{ \frac{27}{13} \right\}$$

$$493) \frac{3}{5} = \frac{v}{3v-11}$$

$$\left\{ \frac{33}{4} \right\}$$

$$494) \frac{3x+3}{10} = \frac{x}{6}$$

$$\left\{ -\frac{9}{4} \right\}$$

$$495) \frac{a+10}{a} = \frac{11}{10}$$

$$\{100\}$$

$$496) \frac{n}{12} = \frac{n-10}{8}$$

$$\{30\}$$

$$497) \frac{2}{5} = \frac{k-2}{k}$$

$$\left\{ \frac{10}{3} \right\}$$

$$498) \frac{3x-10}{x} = \frac{8}{7}$$

$$\left\{ \frac{70}{13} \right\}$$

$$499) \frac{12}{p} = \frac{5}{p-6}$$

$$\left\{ \frac{72}{7} \right\}$$

$$500) \frac{11}{2} = \frac{r}{7r-4}$$

$$\left\{ \frac{44}{75} \right\}$$

$$501) -\frac{7}{r-7} = \frac{10}{r}$$

$$\left\{ \frac{70}{17} \right\}$$

$$502) \frac{m}{m-2} = -\frac{11}{5}$$

$$\left\{ \frac{11}{8} \right\}$$

$$503) -\frac{n}{2n-5} = \frac{10}{9}$$

$$\left\{ \frac{50}{29} \right\}$$

$$504) \frac{11b+10}{3} = \frac{b}{4}$$

$$\left\{ -\frac{40}{41} \right\}$$

$$505) \frac{10}{x-12} = -\frac{4}{x}$$

$$\left\{ \frac{24}{7} \right\}$$

$$506) -\frac{n}{5} = \frac{n+1}{4}$$

$$\left\{ -\frac{5}{9} \right\}$$

$$507) \frac{r-8}{6} = \frac{r}{4}$$

$$\{-16\}$$

$$508) \frac{x+12}{x} = -\frac{9}{11}$$

$$\left\{ -\frac{33}{5} \right\}$$

$$509) \frac{a-4}{7} = -\frac{a}{4}$$

$$\left\{ \frac{16}{11} \right\}$$

$$510) \frac{v}{7v-3} = -\frac{9}{6}$$

$$\left\{ \frac{9}{23} \right\}$$

$$511) \frac{2}{3} = \frac{x+8}{x}$$

$$\{-24\}$$

$$512) -\frac{x}{12} = \frac{11x+11}{10}$$

$$\left\{ -\frac{66}{71} \right\}$$

$$513) \frac{n-5}{5} = \frac{n}{10}$$

$$\{10\}$$

$$514) \frac{8}{2} = \frac{3x-2}{x}$$

$$\{-2\}$$

$$515) \frac{p}{11} = \frac{7p+8}{3}$$

$$\left\{ -\frac{44}{37} \right\}$$

$$516) \frac{k}{k-9} = \frac{5}{8}$$

$$\{-15\}$$

$$517) \frac{3}{11} = \frac{m}{m-10}$$

$$\left\{ -\frac{15}{4} \right\}$$

$$518) -\frac{5}{n} = \frac{8}{n-5}$$

$$\left\{ \frac{25}{13} \right\}$$

$$519) -\frac{2}{10} = \frac{r+10}{r}$$

$$\left\{ -\frac{25}{3} \right\}$$

$$520) \frac{2}{2x-12} = -\frac{5}{x}$$

$$\{5\}$$

$$521) \frac{3n+3}{n} = \frac{6}{7}$$

$$\left\{ -\frac{7}{5} \right\}$$

$$522) \frac{10}{9} = \frac{b-11}{b}$$

$$\{-99\}$$

$$523) \frac{4v}{v-11} = -\frac{7}{3}$$

$$\left\{ \frac{77}{19} \right\}$$

$$524) \frac{n-9}{4n} = \frac{8}{4}$$

$$\left\{ -\frac{9}{7} \right\}$$

$$525) \frac{11}{x} = -\frac{3}{x-2}$$

$$\left\{ \frac{11}{7} \right\}$$

$$526) \frac{2a-10}{5} = \frac{a}{8}$$

$$\left\{ \frac{80}{11} \right\}$$

$$527) -\frac{4}{6} = \frac{k}{11k+4}$$

$$\left\{ -\frac{8}{25} \right\}$$

$$528) -\frac{p}{p-3} = -\frac{9}{6}$$

$$\{9\}$$

$$529) \frac{9}{3} = \frac{x-8}{x}$$

$$\{-4\}$$

$$530) \frac{7m+2}{7} = -\frac{m}{3}$$

$$\left\{ -\frac{3}{14} \right\}$$

$$531) -\frac{r}{7r-9} = \frac{5}{3}$$

$$\left\{ \frac{45}{38} \right\}$$

$$532) \frac{12}{n-12} = -\frac{10}{n}$$

$$\left\{ \frac{60}{11} \right\}$$

$$533) \frac{x-8}{x} = \frac{12}{10}$$

$$\{-40\}$$

$$534) \frac{n}{8} = \frac{n+12}{3}$$

$$\left\{ -\frac{96}{5} \right\}$$

$$535) \frac{8}{9} = \frac{v-5}{v}$$

$$\{45\}$$

$$536) \frac{7x+3}{x} = \frac{9}{11}$$

$$\left\{ -\frac{33}{68} \right\}$$

$$537) \frac{4}{b-8} = \frac{6}{b}$$

$$\{24\}$$

$$538) \frac{3n-7}{n} = -\frac{6}{2}$$

$$\left\{ \frac{7}{6} \right\}$$

$$539) \frac{a-1}{4} = \frac{a}{9}$$

$$\left\{ \frac{9}{5} \right\}$$

$$540) \frac{v-5}{v} = \frac{7}{4}$$

$$\left\{ -\frac{20}{3} \right\}$$

$$541) \frac{x}{5x-7} = \frac{10}{7}$$

$$\left\{ \frac{70}{43} \right\}$$

$$542) \frac{2x+8}{12} = \frac{x}{5}$$

$$\{20\}$$

$$543) \frac{7}{3} = \frac{n-1}{n}$$

$$\left\{ -\frac{3}{4} \right\}$$

$$544) \frac{k}{k-6} = \frac{2}{10}$$

$$\left\{ -\frac{3}{2} \right\}$$



$$545) \frac{5}{p-11} = -\frac{9}{p}$$

$$\left\{ \frac{99}{14} \right\}$$

$$546) \frac{x+3}{x} = \frac{4}{3}$$

$$\{9\}$$

$$547) \frac{2m+9}{6} = \frac{m}{9}$$

$$\left\{ -\frac{27}{4} \right\}$$

$$548) \frac{n}{n-2} = -\frac{2}{6}$$

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

$$549) -\frac{11}{12} = \frac{3r-1}{r}$$

$$\left\{ \frac{12}{47} \right\}$$

$$550) \frac{8}{9} = -\frac{n}{n-3}$$

$$\left\{ \frac{24}{17} \right\}$$

$$551) \frac{6}{x} = \frac{3}{x+2}$$

$$\{-4\}$$

$$552) \frac{8}{3} = \frac{7v-4}{v}$$

$$\left\{ \frac{12}{13} \right\}$$

$$553) -\frac{4}{2b+9} = \frac{12}{b}$$

$$\left\{ -\frac{27}{7} \right\}$$

$$554) -\frac{8}{5} = \frac{x}{x+1}$$

$$\left\{ -\frac{8}{13} \right\}$$

$$555) \frac{2}{8} = \frac{n}{n-4}$$

$$\left\{ -\frac{4}{3} \right\}$$

$$556) \frac{10}{a-8} = -\frac{11}{a}$$

$$\left\{ \frac{88}{21} \right\}$$

$$557) \frac{3}{2} = \frac{11k-7}{10k}$$

$$\left\{ -\frac{7}{4} \right\}$$

$$558) \frac{7x-9}{x} = -\frac{5}{11}$$

$$\left\{ \frac{99}{82} \right\}$$

$$559) \frac{p}{p+1} = \frac{8}{7}$$

$\{-8\}$

$$560) \frac{7n+12}{n} = \frac{4}{2}$$

$\left\{-\frac{12}{5}\right\}$

$$561) \frac{m}{2} = \frac{m+4}{4}$$

$\{4\}$

$$562) \frac{r}{r-9} = \frac{7}{4}$$

$\{21\}$

$$563) \frac{11n}{8} = \frac{n+3}{2}$$

$\left\{\frac{12}{7}\right\}$

$$564) -\frac{b}{b+4} = -\frac{8}{3}$$

$\left\{-\frac{32}{5}\right\}$

$$565) -\frac{5}{5x-12} = -\frac{10}{x}$$

$\left\{\frac{8}{3}\right\}$

$$566) \frac{v-1}{6} = \frac{v}{7}$$

$\{7\}$

$$567) \frac{7}{x-6} = \frac{3}{x}$$

$\left\{-\frac{9}{2}\right\}$

$$568) \frac{4}{8} = \frac{n-10}{n}$$

$\{20\}$

$$569) -\frac{6}{12} = \frac{a}{a+3}$$

$\{-1\}$

$$570) \frac{2v+4}{4} = -\frac{v}{9}$$

$\left\{-\frac{18}{11}\right\}$

$$571) \frac{x+7}{x} = \frac{3}{6}$$

$\{-14\}$

$$572) \frac{2x-6}{x} = \frac{9}{12}$$

$\left\{\frac{24}{5}\right\}$

$$573) -\frac{5}{6} = \frac{n}{n+2}$$

$$\left\{ -\frac{10}{11} \right\}$$

$$574) \frac{11k-6}{2} = \frac{k}{8}$$

$$\left\{ \frac{24}{43} \right\}$$

$$575) \frac{x+6}{x} = \frac{5}{12}$$

$$\left\{ -\frac{72}{7} \right\}$$

$$576) \frac{n+1}{n} = \frac{8}{7}$$

$$\{7\}$$

$$577) \frac{m-3}{11} = \frac{m}{2}$$

$$\left\{ -\frac{2}{3} \right\}$$

$$578) \frac{r-8}{r} = \frac{2}{12}$$

$$\left\{ \frac{48}{5} \right\}$$

$$579) -\frac{7}{10} = \frac{p}{2p+4}$$

$$\left\{ -\frac{7}{6} \right\}$$

$$580) \frac{7}{4} = \frac{x}{x+5}$$

$$\left\{ -\frac{35}{3} \right\}$$

$$581) \frac{7n+10}{9} = -\frac{n}{7}$$

$$\left\{ -\frac{35}{29} \right\}$$

$$582) \frac{5}{6} = \frac{v-9}{v}$$

$$\{54\}$$

$$583) \frac{x}{x+5} = \frac{7}{10}$$

$$\left\{ \frac{35}{3} \right\}$$

$$584) \frac{5n+8}{7} = \frac{n}{10}$$

$$\left\{ -\frac{80}{43} \right\}$$

$$585) \frac{2}{7b+7} = \frac{10}{b}$$

$$\left\{ -\frac{35}{34} \right\}$$

$$586) -\frac{a}{11} = \frac{5a-3}{4}$$

$$\left\{ \frac{33}{59} \right\}$$

$$587) \frac{k}{3} = \frac{k+8}{4}$$

$$\left\{ \frac{24}{1} \right\}$$

$$588) \frac{11}{p} = -\frac{6}{p+4}$$

$$\left\{ -\frac{44}{17} \right\}$$

$$589) \frac{9}{6} = \frac{x-1}{x}$$

$$\{-2\}$$

$$590) -\frac{n}{n-6} = -\frac{12}{5}$$

$$\left\{ \frac{72}{7} \right\}$$

$$591) -\frac{m}{11} = \frac{m+8}{2}$$

$$\left\{ -\frac{88}{13} \right\}$$

$$592) -\frac{2}{9} = \frac{2r-1}{r}$$

$$\left\{ \frac{9}{20} \right\}$$

$$593) \frac{7}{5} = \frac{b+7}{b}$$

$$\left\{ \frac{35}{2} \right\}$$

$$594) -\frac{7}{3} = -\frac{n}{n-6}$$

$$\left\{ \frac{21}{2} \right\}$$

$$595) \frac{12}{x} = \frac{7}{2x-12}$$

$$\left\{ \frac{144}{17} \right\}$$

$$596) \frac{2}{9} = \frac{n-2}{12n}$$

$$\left\{ -\frac{6}{5} \right\}$$

$$597) -\frac{12}{11v-11} = \frac{8}{v}$$

$$\left\{ \frac{22}{25} \right\}$$

$$598) \frac{x}{2x+3} = -\frac{11}{4}$$

$$\left\{ -\frac{33}{26} \right\}$$

$$599) \frac{4}{a+6} = \frac{12}{a}$$

$$\{-9\}$$

$$600) -\frac{11}{k+2} = \frac{6}{k}$$

$$\left\{ -\frac{12}{17} \right\}$$

$$601) \frac{x+2}{x-3} = \frac{7}{10}$$

$$\left\{ -\frac{41}{3} \right\}$$

$$602) \frac{x+4}{3} = \frac{x-11}{7}$$

$$\left\{ -\frac{61}{4} \right\}$$

$$603) \frac{k-4}{k+7} = \frac{14}{3}$$

$$\{-10\}$$

$$604) \frac{p-12}{3} = \frac{p+7}{13}$$

$$\left\{ \frac{177}{10} \right\}$$

$$605) \frac{11}{14} = \frac{n+7}{n+5}$$

$$\left\{ -\frac{43}{3} \right\}$$

$$606) \frac{12}{4} = \frac{n+9}{n-4}$$

$$\left\{ \frac{21}{2} \right\}$$

$$607) \frac{10}{x+9} = \frac{14}{x+6}$$

$$\left\{ -\frac{33}{2} \right\}$$

$$608) \frac{m+11}{m-13} = \frac{9}{7}$$

$$\{97\}$$

$$609) \frac{x+14}{2} = \frac{x-5}{8}$$

$$\left\{ -\frac{61}{3} \right\}$$

$$610) \frac{10}{r+5} = \frac{5}{r+12}$$

$$\{-19\}$$

$$611) \frac{n-14}{n+14} = \frac{11}{5}$$

$$\left\{ -\frac{112}{3} \right\}$$

$$612) \frac{b-13}{b+5} = \frac{2}{14}$$

$$\{16\}$$

$$613) \frac{12}{4} = \frac{v-11}{v-6}$$

$$\left\{ \begin{array}{l} 7 \\ 2 \end{array} \right\}$$

$$614) \frac{x-8}{11} = \frac{x+4}{4}$$

$$\left\{ -\frac{76}{7} \right\}$$

$$615) \frac{x-11}{x+14} = \frac{2}{14}$$

$$\left\{ \frac{91}{6} \right\}$$

$$616) \frac{8}{a-7} = \frac{7}{a-8}$$

$$\{15\}$$

$$617) \frac{k+14}{k-6} = \frac{5}{10}$$

$$\{-34\}$$

$$618) \frac{p-6}{p+3} = \frac{7}{8}$$

$$\{69\}$$

$$619) \frac{6}{n+13} = \frac{7}{n-3}$$

$$\{-109\}$$

$$620) \frac{3}{x-4} = \frac{12}{x-7}$$

$$\{3\}$$

$$621) \frac{m-1}{m+2} = \frac{2}{12}$$

$$\left\{ \frac{8}{5} \right\}$$

$$622) \frac{n+2}{n+3} = \frac{8}{12}$$

$$\{0\}$$

$$623) \frac{x+12}{x+1} = \frac{5}{12}$$

$$\left\{ -\frac{139}{7} \right\}$$

$$624) \frac{r-1}{5} = \frac{r-8}{13}$$

$$\left\{ -\frac{27}{8} \right\}$$

$$625) \frac{11}{v+6} = \frac{9}{v+9}$$

$$\left\{ -\frac{45}{2} \right\}$$

$$626) \frac{5}{b-9} = \frac{9}{b+3}$$

$$\{24\}$$

$$627) \frac{x+6}{x+1} = \frac{8}{12}$$

$$\{-16\}$$

$$628) \frac{n-10}{4} = \frac{n+8}{9}$$

$$\left\{ \frac{122}{5} \right\}$$

$$629) \frac{a+8}{a+9} = \frac{2}{13}$$

$$\left\{ -\frac{86}{11} \right\}$$

$$630) \frac{k+10}{k+3} = \frac{3}{9}$$

$$\left\{ -\frac{27}{2} \right\}$$

$$631) \frac{x-11}{x+10} = \frac{5}{14}$$

$$\left\{ \frac{68}{3} \right\}$$

$$632) \frac{x+13}{11} = \frac{x+8}{9}$$

$$\left\{ \frac{29}{2} \right\}$$

$$633) \frac{k-14}{k-11} = \frac{10}{9}$$

$$\{-16\}$$

$$634) \frac{n+13}{13} = \frac{n-1}{6}$$

$$\{13\}$$

$$635) \frac{6}{p-12} = \frac{13}{p+7}$$

$$\left\{ \frac{198}{7} \right\}$$

$$636) \frac{10}{x-2} = \frac{9}{x-12}$$

$$\{102\}$$

$$637) \frac{n-10}{n-12} = \frac{5}{13}$$

$$\left\{ \frac{35}{4} \right\}$$

$$638) \frac{13}{2} = \frac{m-9}{m+6}$$

$$\left\{ -\frac{96}{11} \right\}$$

$$639) \frac{5}{r-7} = \frac{6}{r-2}$$

$$\{32\}$$

$$640) \frac{n+5}{n-5} = \frac{6}{12}$$

$$\{-15\}$$

$$641) \frac{3}{x-13} = \frac{12}{x-7}$$

$$\{15\}$$

$$642) \frac{v-14}{13} = \frac{v-3}{11}$$

$$\left\{ -\frac{115}{2} \right\}$$

$$643) \frac{x+5}{x-2} = \frac{10}{7}$$

$$\left\{ \frac{55}{3} \right\}$$

$$644) \frac{x-4}{x+12} = \frac{10}{4}$$

$$\left\{ -\frac{68}{3} \right\}$$

$$645) \frac{10}{b-3} = \frac{14}{b-5}$$

$$\{-2\}$$

$$646) \frac{k+2}{k+4} = \frac{3}{6}$$

$$\{0\}$$

$$647) \frac{p-5}{4} = \frac{p+4}{14}$$

$$\left\{ \frac{43}{5} \right\}$$

$$648) \frac{7}{3} = \frac{a+2}{a-14}$$

$$\{26\}$$

$$649) \frac{7}{x+14} = \frac{2}{x+4}$$

$$\{0\}$$

$$650) \frac{n+3}{n+7} = \frac{10}{13}$$

$$\left\{ \frac{31}{3} \right\}$$

$$651) \frac{10}{8} = \frac{m+7}{m-5}$$

$$\{53\}$$

$$652) \frac{x+9}{9} = \frac{x+2}{14}$$

$$\left\{ -\frac{108}{5} \right\}$$

$$653) \frac{12}{r+9} = \frac{11}{r+13}$$

$$\{-57\}$$

$$654) \frac{n+11}{n-6} = \frac{5}{4}$$

$$\{74\}$$

$$655) \frac{x-7}{7} = \frac{x-13}{13}$$

$$\{0\}$$

$$656) \frac{v+14}{v+2} = \frac{6}{4}$$

$$\{22\}$$



$$657) \frac{m+11}{m-1} = \frac{6}{13}$$

$$\left\{ -\frac{149}{7} \right\}$$

$$658) \frac{4}{n-13} = \frac{11}{n+11}$$

$$\left\{ \frac{187}{7} \right\}$$

$$659) \frac{k-8}{k-11} = \frac{11}{13}$$

$$\left\{ -\frac{17}{2} \right\}$$

$$660) \frac{x+11}{13} = \frac{x-8}{3}$$

$$\left\{ \frac{137}{10} \right\}$$

$$661) \frac{14}{a-11} = \frac{8}{a+1}$$

$$\{-17\}$$

$$662) \frac{n-9}{n-6} = \frac{6}{3}$$

$$\{3\}$$

$$663) \frac{10}{8} = \frac{x-8}{x+11}$$

$$\{-87\}$$

$$664) \frac{m-6}{m+10} = \frac{9}{5}$$

$$\{-30\}$$

$$665) \frac{2}{x-4} = \frac{5}{x-9}$$

$$\left\{ \frac{2}{3} \right\}$$

$$666) \frac{n-1}{n+9} = \frac{13}{9}$$

$$\left\{ -\frac{63}{2} \right\}$$

$$667) \frac{6}{p-4} = \frac{8}{p-1}$$

$$\{13\}$$

$$668) \frac{6}{12} = \frac{m+1}{m-2}$$

$$\{-4\}$$

$$669) \frac{r+1}{r-10} = \frac{7}{12}$$

$$\left\{ -\frac{82}{5} \right\}$$

$$670) \frac{x+3}{x+8} = \frac{8}{13}$$

$$\{5\}$$

$$671) \frac{11}{n+3} = \frac{2}{n-2}$$

$$\left\{ \frac{28}{9} \right\}$$

$$672) \frac{8}{b+5} = \frac{5}{b-11}$$

$$\left\{ \frac{113}{3} \right\}$$

$$673) \frac{x-3}{x+8} = \frac{6}{7}$$

$$\{69\}$$

$$674) \frac{v+6}{v+7} = \frac{4}{8}$$

$$\{-5\}$$

$$675) \frac{a+7}{12} = \frac{a+10}{14}$$

$$\{11\}$$

$$676) \frac{k-4}{k+10} = \frac{2}{11}$$

$$\left\{ \frac{64}{9} \right\}$$

$$677) \frac{9}{x-12} = \frac{3}{x+8}$$

$$\{-18\}$$

$$678) \frac{13}{4} = \frac{p-12}{p+12}$$

$$\left\{ -\frac{68}{3} \right\}$$

$$679) \frac{2}{10} = \frac{x+6}{x-14}$$

$$\{-11\}$$

$$680) \frac{n-5}{n-14} = \frac{6}{12}$$

$$\{-4\}$$

$$681) \frac{m-13}{3} = \frac{m-12}{9}$$

$$\left\{ \frac{27}{2} \right\}$$

$$682) \frac{6}{r+5} = \frac{5}{r-12}$$

$$\{97\}$$

$$683) \frac{x-10}{x-5} = \frac{2}{10}$$

$$\left\{ \frac{45}{4} \right\}$$

$$684) \frac{4}{13} = \frac{n-10}{n-14}$$

$$\left\{ \frac{74}{9} \right\}$$

$$685) \frac{12}{10} = \frac{b-7}{b+4}$$

$\{-59\}$

$$686) \frac{v-7}{12} = \frac{v-6}{14}$$

$\{13\}$

$$687) \frac{x+12}{x-5} = \frac{3}{14}$$

$\left\{-\frac{183}{11}\right\}$

$$688) \frac{6}{11} = \frac{n+4}{n-5}$$

$\left\{-\frac{74}{5}\right\}$

$$689) \frac{3}{a-7} = \frac{7}{a-3}$$

$\{10\}$

$$690) \frac{10}{k+11} = \frac{7}{k+9}$$

$\left\{-\frac{13}{3}\right\}$

$$691) \frac{13}{6} = \frac{x+4}{x+3}$$

$\left\{-\frac{15}{7}\right\}$

$$692) \frac{x+2}{3} = \frac{x-8}{13}$$

$\{-5\}$

$$693) \frac{n+11}{n+2} = \frac{11}{6}$$

$\left\{\frac{44}{5}\right\}$

$$694) \frac{14}{2} = \frac{m+2}{m+4}$$

$\left\{-\frac{13}{3}\right\}$

$$695) \frac{3}{p-9} = \frac{13}{p+4}$$

$\left\{\frac{129}{10}\right\}$

$$696) \frac{n+7}{n+1} = \frac{12}{4}$$

$\{2\}$

$$697) \frac{11}{x+10} = \frac{9}{x+7}$$

$\left\{\frac{13}{2}\right\}$

$$698) \frac{8}{m+9} = \frac{7}{m-9}$$

$\{135\}$

699)  $\frac{8}{2} = \frac{x+11}{x+14}$

$\left\{ \frac{-15}{1} \right\}$

700)  $\frac{2}{k-6} = \frac{3}{k-1}$

$\left\{ \frac{16}{1} \right\}$

701)  $\frac{8}{11} = \frac{n+3}{13n-20}$

$\left\{ \frac{193}{93} \right\}$

702)  $\frac{n-5}{6} = \frac{n-13}{15}$

$\left\{ \frac{-1}{3} \right\}$

703)  $\frac{x-5}{x+20} = \frac{9}{11}$

$\left\{ \frac{235}{2} \right\}$

704)  $\frac{x-1}{18} = \frac{x+19}{7}$

$\left\{ \frac{-349}{11} \right\}$

705)  $\frac{16}{19} = \frac{v-9}{5v-16}$

$\left\{ \frac{85}{61} \right\}$

706)  $\frac{19p-9}{p+20} = \frac{18}{5}$

$\left\{ \frac{405}{77} \right\}$

707)  $\frac{k+16}{6} = \frac{k+7}{11}$

$\left\{ \frac{-134}{5} \right\}$

708)  $\frac{19a-8}{17a+8} = \frac{12}{5}$

$\left\{ \frac{-136}{109} \right\}$

709)  $\frac{5x+2}{18} = \frac{x+16}{11}$

$\left\{ \frac{266}{37} \right\}$

710)  $\frac{3}{10} = \frac{n+4}{11n-8}$

$\left\{ \frac{64}{23} \right\}$

711)  $\frac{8}{m-17} = \frac{3}{19m-17}$

$\left\{ \frac{85}{149} \right\}$

712)  $\frac{17}{20} = \frac{r+3}{r-7}$

$\left\{ \frac{-179}{3} \right\}$

$$713) \frac{x+5}{16} = \frac{19x+19}{13}$$

$$\left\{ -\frac{239}{291} \right\}$$

$$714) \frac{5}{10} = \frac{n-1}{n+12}$$

$$\{14\}$$

$$715) \frac{2}{b-13} = \frac{18}{b+3}$$

$$\{15\}$$

$$716) \frac{2v-10}{v+19} = \frac{10}{15}$$

$$\{17\}$$

$$717) \frac{17x-7}{x+8} = \frac{5}{7}$$

$$\left\{ \frac{89}{114} \right\}$$

$$718) \frac{7}{16} = \frac{a+17}{a+16}$$

$$\left\{ -\frac{160}{9} \right\}$$

$$719) \frac{k+14}{3k-11} = \frac{6}{20}$$

$$\{-173\}$$

$$720) \frac{20}{2n+6} = \frac{9}{2n-10}$$

$$\left\{ \frac{127}{11} \right\}$$

$$721) \frac{3x+18}{12} = \frac{x+4}{18}$$

$$\left\{ -\frac{46}{7} \right\}$$

$$722) \frac{5n+4}{3n+1} = \frac{10}{4}$$

$$\left\{ \frac{3}{5} \right\}$$

$$723) \frac{17}{x-4} = \frac{16}{x+4}$$

$$\{-132\}$$

$$724) \frac{8}{7} = \frac{3b+9}{17b+10}$$

$$\left\{ -\frac{17}{115} \right\}$$

$$725) \frac{10}{7} = \frac{17x-10}{x-20}$$

$$\left\{ -\frac{130}{109} \right\}$$

$$726) \frac{14}{5p+17} = \frac{17}{p-1}$$

$$\left\{ -\frac{303}{71} \right\}$$

$$727) \frac{15}{3} = \frac{n-10}{n-18}$$

$\left\{ \frac{20}{1} \right\}$

$$728) \frac{4}{r+20} = \frac{15}{r+8}$$

$\left\{ -\frac{268}{11} \right\}$

$$729) \frac{11}{15} = \frac{5b-12}{b+12}$$

$\left\{ \frac{39}{8} \right\}$

$$730) \frac{2x-6}{x-4} = \frac{20}{16}$$

$\left\{ \frac{4}{3} \right\}$

$$731) \frac{5n-15}{n+17} = \frac{14}{9}$$

$\left\{ \frac{373}{31} \right\}$

$$732) \frac{x+4}{18} = \frac{x-3}{12}$$

$\{17\}$

$$733) \frac{13}{7b-13} = \frac{6}{b+16}$$

$\left\{ \frac{286}{29} \right\}$

$$734) \frac{12}{2} = \frac{7x-1}{5x-6}$$

$\left\{ \frac{35}{23} \right\}$

$$735) \frac{19}{6} = \frac{v+7}{7v+15}$$

$\left\{ -\frac{243}{127} \right\}$

$$736) \frac{a+3}{a+12} = \frac{3}{14}$$

$\left\{ -\frac{6}{11} \right\}$

$$737) \frac{11p-7}{11} = \frac{p-20}{8}$$

$\left\{ -\frac{164}{77} \right\}$

$$738) \frac{x+9}{19x-17} = \frac{20}{3}$$

$\left\{ \frac{367}{377} \right\}$

$$739) \frac{18}{15} = \frac{k-14}{k+1}$$

$\{-76\}$

$$740) \frac{5}{9} = \frac{m+17}{11m+6}$$

$\left\{ \frac{123}{46} \right\}$

$$741) \frac{15}{11n+17} = \frac{16}{11n-15}$$

$$\left\{ -\frac{497}{11} \right\}$$

$$742) \frac{7}{r-4} = \frac{18}{r+4}$$

$$\left\{ \frac{100}{11} \right\}$$

$$743) \frac{x-14}{x-15} = \frac{2}{13}$$

$$\left\{ \frac{152}{11} \right\}$$

$$744) \frac{n+1}{15} = \frac{n+5}{20}$$

$$\{11\}$$

$$745) \frac{13b-19}{b+1} = \frac{7}{20}$$

$$\left\{ \frac{387}{253} \right\}$$

$$746) \frac{7x-17}{13x-3} = \frac{17}{13}$$

$$\left\{ -\frac{17}{13} \right\}$$

$$747) \frac{n+14}{6} = \frac{13n-16}{4}$$

$$\left\{ \frac{76}{37} \right\}$$

$$748) \frac{20}{v+13} = \frac{5}{3v-8}$$

$$\left\{ \frac{45}{11} \right\}$$

$$749) \frac{a+1}{14} = \frac{a-13}{17}$$

$$\left\{ -\frac{199}{3} \right\}$$

$$750) \frac{11}{17k+9} = \frac{6}{19k+13}$$

$$\left\{ -\frac{89}{107} \right\}$$

$$751) \frac{2}{19} = \frac{x-16}{x+9}$$

$$\left\{ \frac{322}{17} \right\}$$

$$752) \frac{7n-6}{n+17} = \frac{18}{9}$$

$$\{8\}$$

$$753) \frac{7}{13x+6} = \frac{17}{17x-17}$$

$$\left\{ -\frac{13}{6} \right\}$$

$$754) \frac{11}{2} = \frac{17m+8}{m-10}$$

$$\left\{ -\frac{126}{23} \right\}$$

$$755) \frac{x+5}{7x+13} = \frac{16}{8}$$

$$\left\{ -\frac{21}{13} \right\}$$

$$756) \frac{n+4}{20} = \frac{19n+20}{8}$$

$$\left\{ -\frac{92}{93} \right\}$$

$$757) \frac{13}{15} = \frac{3p-13}{19p-5}$$

$$\left\{ -\frac{65}{101} \right\}$$

$$758) \frac{b+13}{6} = \frac{b+8}{12}$$

$$\{-18\}$$

$$759) \frac{14}{r+17} = \frac{13}{19r-6}$$

$$\left\{ \frac{305}{253} \right\}$$

$$760) \frac{x-19}{13x+8} = \frac{6}{7}$$

$$\left\{ -\frac{181}{71} \right\}$$

$$761) \frac{2n-2}{19} = \frac{n+10}{18}$$

$$\left\{ \frac{226}{17} \right\}$$

$$762) \frac{11}{12} = \frac{2b+6}{b-11}$$

$$\left\{ -\frac{193}{13} \right\}$$

$$763) \frac{13v-20}{5} = \frac{v+18}{3}$$

$$\left\{ \frac{75}{17} \right\}$$

$$764) \frac{2x-10}{17x-13} = \frac{17}{18}$$

$$\left\{ \frac{41}{253} \right\}$$

$$765) \frac{20}{5} = \frac{x-9}{x-15}$$

$$\{17\}$$

$$766) \frac{5k+17}{3k-7} = \frac{4}{16}$$

$$\left\{ -\frac{75}{17} \right\}$$

$$767) \frac{a-7}{3a+6} = \frac{3}{13}$$

$$\left\{ \frac{109}{4} \right\}$$

$$768) \frac{8}{17} = \frac{5p+7}{p+14}$$

$$\left\{ -\frac{1}{11} \right\}$$



$$769) \frac{10}{3x+18} = \frac{9}{x-3}$$

$$\left\{ -\frac{192}{17} \right\}$$

$$770) \frac{2}{n-19} = \frac{3}{19n-12}$$

$$\left\{ -\frac{33}{35} \right\}$$

$$771) \frac{15}{m+1} = \frac{4}{3m+20}$$

$$\left\{ -\frac{296}{41} \right\}$$

$$772) \frac{7}{r+6} = \frac{4}{r-10}$$

$$\left\{ \frac{94}{3} \right\}$$

$$773) \frac{n-8}{5n+4} = \frac{13}{4}$$

$$\left\{ -\frac{84}{61} \right\}$$

$$774) \frac{x-11}{x+10} = \frac{20}{11}$$

$$\left\{ -\frac{107}{3} \right\}$$

$$775) \frac{b-5}{5} = \frac{b+18}{17}$$

$$\left\{ \frac{175}{12} \right\}$$

$$776) \frac{9}{18} = \frac{v+6}{17v+5}$$

$$\left\{ \frac{7}{15} \right\}$$

$$777) \frac{n+6}{7n-13} = \frac{14}{4}$$

$$\left\{ \frac{103}{47} \right\}$$

$$778) \frac{11}{3x-4} = \frac{2}{x-15}$$

$$\left\{ \frac{157}{5} \right\}$$

$$779) \frac{7}{a+6} = \frac{16}{7a-11}$$

$$\left\{ \frac{173}{33} \right\}$$

$$780) \frac{k+13}{k+14} = \frac{19}{10}$$

$$\left\{ -\frac{136}{9} \right\}$$

$$781) \frac{7x+3}{x-9} = \frac{4}{3}$$

$$\left\{ -\frac{45}{17} \right\}$$

$$782) \frac{11}{x-1} = \frac{10}{7x+15}$$

$$\left\{ -\frac{175}{67} \right\}$$

$$783) \frac{9}{8} = \frac{m-10}{7m+4}$$

$$\left\{ -\frac{116}{55} \right\}$$

$$784) \frac{15}{2n-18} = \frac{16}{n+10}$$

$$\left\{ \frac{438}{17} \right\}$$

$$785) \frac{13}{6} = \frac{x-14}{11x+2}$$

$$\left\{ -\frac{110}{137} \right\}$$

$$786) \frac{n-4}{n-14} = \frac{18}{9}$$

$$\{24\}$$

$$787) \frac{13}{7} = \frac{p+19}{13p-5}$$

$$\left\{ \frac{11}{9} \right\}$$

$$788) \frac{r-1}{12} = \frac{11r+14}{3}$$

$$\left\{ -\frac{57}{43} \right\}$$

$$789) \frac{16}{10} = \frac{b+6}{b+10}$$

$$\left\{ -\frac{50}{3} \right\}$$

$$790) \frac{x+16}{x+15} = \frac{15}{10}$$

$$\{-13\}$$

$$791) \frac{8}{13n-3} = \frac{5}{n-20}$$

$$\left\{ -\frac{145}{57} \right\}$$

$$792) \frac{19a+3}{18} = \frac{a-18}{20}$$

$$\left\{ -\frac{192}{181} \right\}$$

$$793) \frac{3}{x-15} = \frac{5}{13x+9}$$

$$\{-3\}$$

$$794) \frac{10}{15} = \frac{x-7}{x+11}$$

$$\{43\}$$

$$795) \frac{13v+13}{v-6} = \frac{13}{10}$$

$$\left\{ -\frac{16}{9} \right\}$$

$$796) \frac{9}{17a-16} = \frac{14}{13a+10}$$

$$\left\{ \frac{314}{121} \right\}$$

797)  $\frac{k+19}{k-1} = \frac{9}{15}$

$\left\{ \frac{-49}{1} \right\}$

798)  $\frac{11n+2}{20} = \frac{n+15}{12}$

$\left\{ \frac{69}{28} \right\}$

799)  $\frac{14}{p-12} = \frac{7}{17p+9}$

$\left\{ -\frac{10}{11} \right\}$

800)  $\frac{19}{7} = \frac{x-14}{5x+20}$

$\left\{ -\frac{239}{44} \right\}$

801)  $\frac{24}{2} = \frac{41m-8}{m-9}$

$\left\{ -\frac{100}{29} \right\}$

802)  $\frac{r+39}{r+46} = \frac{37}{14}$

$\left\{ -\frac{1156}{23} \right\}$

803)  $-\frac{12}{18} = \frac{n+20}{n-24}$

$\left\{ -\frac{12}{5} \right\}$

804)  $\frac{x+33}{41} = \frac{x-49}{49}$

$\left\{ -\frac{1813}{4} \right\}$

805)  $\frac{43v-14}{19} = \frac{v+30}{34}$

$\left\{ \frac{1046}{1443} \right\}$

806)  $\frac{11}{24} = \frac{b+43}{19b-39}$

$\left\{ \frac{1461}{185} \right\}$

807)  $\frac{31x+18}{x-5} = \frac{7}{31}$

$\left\{ -\frac{593}{954} \right\}$

808)  $\frac{47n+10}{12} = \frac{11n+50}{29}$

$\left\{ \frac{310}{1231} \right\}$

809)  $\frac{k-31}{k-49} = \frac{10}{18}$

$\left\{ \frac{17}{2} \right\}$

810)  $\frac{23x+37}{x+19} = \frac{22}{20}$

$\left\{ -\frac{161}{219} \right\}$

811)  $\frac{37}{x-44} = \frac{31}{x+20}$

$$\left\{ -\frac{1052}{3} \right\}$$

812)  $\frac{6}{a+39} = \frac{33}{a+26}$

$$\left\{ -\frac{377}{9} \right\}$$

813)  $\frac{3m-11}{34} = \frac{m+32}{18}$

$$\left\{ \frac{643}{10} \right\}$$

814)  $\frac{37p+7}{p-23} = \frac{31}{6}$

$$\left\{ -\frac{755}{191} \right\}$$

815)  $\frac{17n+44}{11} = \frac{11n+19}{34}$

$$\left\{ -\frac{1287}{457} \right\}$$

816)  $\frac{29}{25} = \frac{13x-35}{x-38}$

$$\left\{ -\frac{227}{296} \right\}$$

817)  $\frac{n+8}{n+6} = -\frac{38}{29}$

$$\left\{ -\frac{460}{67} \right\}$$

818)  $\frac{r+38}{r+33} = \frac{33}{12}$

$$\left\{ -\frac{211}{7} \right\}$$

819)  $\frac{6}{b-7} = \frac{50}{b+20}$

$$\left\{ \frac{235}{22} \right\}$$

820)  $\frac{20}{17x-42} = \frac{43}{11x+47}$

$$\left\{ \frac{2746}{511} \right\}$$

821)  $\frac{n-32}{37} = \frac{19n-40}{43}$

$$\left\{ \frac{26}{165} \right\}$$

822)  $\frac{5a+49}{a-45} = \frac{16}{50}$

$$\left\{ -\frac{1585}{117} \right\}$$

823)  $\frac{9}{38} = \frac{29v-9}{5v+47}$

$$\left\{ \frac{765}{1057} \right\}$$

824)  $\frac{x+43}{x+8} = -\frac{16}{25}$

$$\left\{ -\frac{1203}{41} \right\}$$

825)  $\frac{15}{2} = \frac{29x - 46}{23x - 48}$

$$\left\{ \begin{array}{l} 628 \\ 287 \end{array} \right\}$$

826)  $\frac{a - 11}{a - 26} = \frac{50}{2}$

$$\left\{ \begin{array}{l} 213 \\ 8 \end{array} \right\}$$

827)  $\frac{44}{43k + 16} = -\frac{47}{k + 45}$

$$\left\{ \begin{array}{l} -2732 \\ 2065 \end{array} \right\}$$

828)  $\frac{20}{13} = \frac{11p + 41}{47p - 44}$

$$\left\{ \begin{array}{l} 1413 \\ 797 \end{array} \right\}$$

829)  $\frac{23x + 20}{43} = \frac{x - 8}{19}$

$$\left\{ \begin{array}{l} -362 \\ 197 \end{array} \right\}$$

830)  $\frac{31}{15} = \frac{31n + 4}{n + 8}$

$$\left\{ \begin{array}{l} 94 \\ 217 \end{array} \right\}$$

831)  $\frac{x - 46}{39} = \frac{x - 11}{19}$

$$\left\{ \begin{array}{l} -89 \\ 4 \end{array} \right\}$$

832)  $-\frac{38}{11m - 4} = \frac{44}{m + 24}$

$$\left\{ \begin{array}{l} -368 \\ 261 \end{array} \right\}$$

833)  $\frac{n + 2}{n - 2} = \frac{31}{48}$

$$\left\{ \begin{array}{l} -158 \\ 17 \end{array} \right\}$$

834)  $\frac{2r + 10}{r - 17} = -\frac{6}{11}$

$$\left\{ \begin{array}{l} 2 \\ 7 \end{array} \right\}$$

835)  $\frac{b + 3}{29} = \frac{37b - 46}{44}$

$$\left\{ \begin{array}{l} 1466 \\ 1029 \end{array} \right\}$$

836)  $\frac{v + 30}{17v - 9} = \frac{6}{20}$

$$\left\{ \begin{array}{l} 327 \\ 41 \end{array} \right\}$$

837)  $\frac{28}{42} = \frac{19x + 48}{5x - 39}$

$$\left\{ \begin{array}{l} -222 \\ 47 \end{array} \right\}$$

838)  $-\frac{13}{15} = \frac{n - 40}{31n - 33}$

$$\left\{ \begin{array}{l} 1029 \\ 418 \end{array} \right\}$$

$$839) \frac{19a + 25}{25} = \frac{a - 46}{38}$$

$$\left\{ -\frac{2100}{697} \right\}$$

$$840) -\frac{45}{41k - 8} = -\frac{11}{17k + 50}$$

$$\left\{ -\frac{1169}{157} \right\}$$

$$841) -\frac{6}{x - 25} = -\frac{13}{41x + 12}$$

$$\left\{ -\frac{397}{233} \right\}$$

$$842) \frac{50}{35} = \frac{p + 2}{p + 35}$$

$$\{-112\}$$

$$843) \frac{n - 34}{41n - 38} = \frac{25}{29}$$

$$\left\{ -\frac{3}{83} \right\}$$

$$844) \frac{5}{38} = \frac{17m - 50}{m - 47}$$

$$\left\{ \frac{1665}{641} \right\}$$

$$845) \frac{7x + 27}{47} = \frac{x + 41}{13}$$

$$\left\{ \frac{394}{11} \right\}$$

$$846) -\frac{25}{38} = \frac{43n + 7}{n + 14}$$

$$\left\{ -\frac{88}{237} \right\}$$

$$847) \frac{50}{24} = \frac{p - 3}{3p + 39}$$

$$\left\{ -\frac{337}{21} \right\}$$

$$848) \frac{r - 41}{r - 30} = -\frac{31}{32}$$

$$\left\{ \frac{2242}{63} \right\}$$

$$849) -\frac{20}{b + 2} = \frac{4}{b - 28}$$

$$\{23\}$$

$$850) \frac{x + 3}{x - 17} = \frac{39}{44}$$

$$\{-159\}$$

$$851) \frac{29}{7} = \frac{41n + 22}{n - 10}$$

$$\left\{ -\frac{74}{43} \right\}$$

$$852) \frac{29v - 2}{v + 21} = \frac{24}{32}$$

$$\left\{ \frac{71}{113} \right\}$$

853)  $\frac{17x+21}{44} = \frac{x-15}{47}$

$\left\{ -\frac{1647}{755} \right\}$

854)  $\frac{40}{5a+28} = -\frac{26}{2a-42}$

$\left\{ \frac{68}{15} \right\}$

855)  $\frac{19}{7} = \frac{x-27}{13x+47}$

$\left\{ -\frac{541}{120} \right\}$

856)  $\frac{n-30}{n-4} = -\frac{19}{50}$

$\left\{ \frac{1576}{69} \right\}$

857)  $\frac{k+40}{27} = \frac{k-17}{32}$

$\left\{ -\frac{1739}{5} \right\}$

858)  $\frac{p+27}{26} = \frac{31p+37}{6}$

$\{-1\}$

859)  $\frac{28}{38} = \frac{x-19}{19x+16}$

$\left\{ -\frac{45}{19} \right\}$

860)  $\frac{m+2}{3m-44} = \frac{13}{24}$

$\left\{ \frac{124}{3} \right\}$

861)  $\frac{46}{n-42} = \frac{24}{2n-31}$

$\left\{ \frac{209}{34} \right\}$

862)  $\frac{47}{r+45} = -\frac{26}{41r+4}$

$\left\{ -\frac{194}{279} \right\}$

863)  $\frac{x-30}{x+33} = -\frac{38}{19}$

$\{-12\}$

864)  $\frac{42}{7} = \frac{5n-34}{n+21}$

$\{-160\}$

865)  $-\frac{22}{b-36} = -\frac{13}{b-49}$

$\left\{ \frac{610}{9} \right\}$

866)  $\frac{47x-46}{38} = \frac{x+41}{10}$

$\left\{ \frac{1009}{216} \right\}$

$$867) \frac{37}{26} = \frac{v-4}{23v-27}$$

$$\left\{ \frac{179}{165} \right\}$$

$$868) \frac{33}{n+39} = \frac{17}{19n+29}$$

$$\left\{ -\frac{147}{305} \right\}$$

$$869) \frac{13a+29}{11a+18} = \frac{11}{24}$$

$$\left\{ -\frac{498}{191} \right\}$$

$$870) \frac{p-8}{19} = \frac{31p+25}{20}$$

$$\left\{ -\frac{635}{569} \right\}$$

$$871) \frac{7}{k-30} = \frac{38}{k-31}$$

$$\left\{ \frac{923}{31} \right\}$$

$$872) \frac{x+1}{41} = \frac{x-49}{32}$$

$$\left\{ \frac{2041}{9} \right\}$$

$$873) \frac{45}{n-12} = -\frac{14}{5n-33}$$

$$\left\{ \frac{1653}{239} \right\}$$

$$874) \frac{43p+19}{p+19} = -\frac{26}{10}$$

$$\left\{ -\frac{3}{2} \right\}$$

$$875) -\frac{37}{7} = \frac{m-45}{17m+13}$$

$$\left\{ -\frac{83}{318} \right\}$$

$$876) \frac{x-13}{37x-25} = \frac{33}{32}$$

$$\left\{ \frac{409}{1189} \right\}$$

$$877) \frac{n+27}{45} = \frac{n-50}{7}$$

$$\left\{ \frac{2439}{38} \right\}$$

$$878) \frac{7}{34} = \frac{b+40}{b-6}$$

$$\left\{ -\frac{1402}{27} \right\}$$

$$879) \frac{x+25}{x-36} = \frac{37}{14}$$

$$\left\{ \frac{1682}{23} \right\}$$

$$880) \frac{11}{r+38} = \frac{20}{r-49}$$

$$\left\{ -\frac{433}{3} \right\}$$



881)  $\frac{a-45}{11a+15} = \frac{39}{37}$

$\left\{ -\frac{1125}{196} \right\}$

882)  $\frac{14}{32} = \frac{x-13}{2x+47}$

$\left\{ \frac{537}{2} \right\}$

883)  $-\frac{47}{v+3} = -\frac{10}{v+33}$

$\left\{ -\frac{1521}{37} \right\}$

884)  $\frac{42}{7n-36} = \frac{14}{43n-30}$

$\left\{ \frac{27}{61} \right\}$

885)  $\frac{23n+21}{28} = \frac{29n-27}{14}$

$\left\{ \frac{15}{7} \right\}$

886)  $\frac{k-39}{k+21} = \frac{6}{7}$

$\{399\}$

887)  $\frac{3}{x+31} = \frac{26}{x+40}$

$\left\{ -\frac{686}{23} \right\}$

888)  $-\frac{23}{p-2} = -\frac{14}{43p+28}$

$\left\{ -\frac{224}{325} \right\}$

889)  $\frac{13x+9}{47x+18} = \frac{46}{12}$

$\left\{ -\frac{360}{1003} \right\}$

890)  $\frac{41n-26}{19} = \frac{n+37}{20}$

$\left\{ \frac{1223}{801} \right\}$

891)  $\frac{r+40}{45} = \frac{r-33}{22}$

$\left\{ \frac{2365}{23} \right\}$

892)  $\frac{33}{42} = \frac{m+24}{17m-39}$

$\left\{ \frac{765}{173} \right\}$

893)  $\frac{2x-22}{5} = \frac{23x+1}{23}$

$\left\{ -\frac{511}{69} \right\}$

894)  $\frac{b+34}{b-14} = \frac{33}{2}$

$\left\{ \frac{530}{31} \right\}$

$$895) \frac{40}{23} = \frac{43v + 46}{41v - 34}$$

$$\left\{ \frac{26}{7} \right\}$$

$$896) -\frac{26}{n-2} = \frac{20}{n+21}$$

$$\{-11\}$$

$$897) \frac{x+17}{7x+46} = \frac{8}{46}$$

$$\left\{ \frac{207}{5} \right\}$$

$$898) \frac{17n+9}{5n+30} = \frac{45}{19}$$

$$\left\{ \frac{1179}{98} \right\}$$

$$899) -\frac{41}{33} = \frac{19a+21}{a+48}$$

$$\left\{ -\frac{2661}{668} \right\}$$

$$900) \frac{45}{23k+37} = -\frac{14}{k-35}$$

$$\left\{ \frac{1057}{367} \right\}$$