



Solving proportions - decimals - decimals

Solve each proportion.

$$1) -\frac{x}{6.8} = \frac{3.9}{2.9}$$

$$2) \frac{k}{1.01} = \frac{7.7}{6.2}$$

$$3) \frac{p}{9.2} = \frac{7}{10.5}$$

$$4) \frac{11.2}{7.2} = -\frac{7.96}{a}$$

$$5) \frac{2.828}{9.5} = \frac{x}{2.4}$$

$$6) -\frac{2.3}{8.8} = \frac{6.5}{n}$$

$$7) \frac{m}{4.1} = \frac{10.7}{9.3}$$

$$8) \frac{10.502}{1.8} = \frac{3.7}{r}$$

$$9) -\frac{x}{8.2} = \frac{7.9}{5}$$

$$10) \frac{n}{8.5} = -\frac{3.5}{2.3}$$

$$11) \frac{3.9}{10} = -\frac{5.1}{b}$$

$$12) \frac{v}{1.33} = \frac{9.4}{5.6}$$

$$13) \frac{n}{9.4} = -\frac{4.3}{4.9}$$

$$14) \frac{11.7}{5.38} = \frac{9.8}{x}$$

$$15) -\frac{k}{2.3} = \frac{1.5}{6.95}$$

$$16) \frac{6.012}{4.7} = -\frac{8.4}{a}$$

$$17) \frac{7.2}{8.7} = \frac{9.86}{x}$$

$$18) \frac{9.9}{10.6} = \frac{x}{4.1}$$

$$19) \frac{8.1}{m} = \frac{2.3}{7.1}$$

$$20) -\frac{6.4}{1.7} = \frac{2.9}{n}$$

$$21) \frac{3.5}{p} = \frac{3.63}{9}$$

$$22) \frac{2.95}{x} = \frac{8.8}{9.9}$$

$$23) \frac{1.37}{n} = -\frac{6.1}{12}$$

$$24) \frac{5.43}{7.8} = \frac{b}{1.3}$$

$$25) \frac{r}{3.5} = \frac{9.3}{6.2}$$

$$26) -\frac{2}{7.6} = -\frac{4.6}{x}$$

$$27) \frac{11.8}{n} = \frac{9}{2.3}$$

$$28) \frac{8.7}{3.66} = \frac{a}{4.9}$$

$$29) \frac{3.338}{11.9} = -\frac{6.8}{4v}$$

$$30) \frac{7.7}{10.9} = \frac{10.5}{x}$$

Answers to Solving proportions - decimals - decimals

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|-----------------|------------------|------------------|-----------------|
| 1) $\{-9.14\}$ | 2) $\{1.25\}$ | 3) $\{6.13\}$ | 4) $\{-5.11\}$ |
| 5) $\{0.71\}$ | 6) $\{-24.86\}$ | 7) $\{4.71\}$ | 8) $\{0.63\}$ |
| 9) $\{-12.95\}$ | 10) $\{-12.93\}$ | 11) $\{-13.07\}$ | 12) $\{2.23\}$ |
| 13) $\{-8.24\}$ | 14) $\{4.5\}$ | 15) $\{-0.49\}$ | 16) $\{-6.56\}$ |
| 17) $\{11.91\}$ | 18) $\{3.82\}$ | 19) $\{25\}$ | 20) $\{-0.77\}$ |
| 21) $\{8.67\}$ | 22) $\{3.31\}$ | 23) $\{-2.69\}$ | 24) $\{0.9\}$ |
| 25) $\{5.25\}$ | 26) $\{17.48\}$ | 27) $\{3.01\}$ | 28) $\{11.64\}$ |
| 29) $\{-6.06\}$ | 30) $\{14.86\}$ | | |