



## Solving proportions - integers - fractions

Solve each proportion.

$$1) \frac{n}{9} = \frac{5}{11}$$

$$2) \frac{5}{7} = \frac{v}{8}$$

$$3) \frac{7}{11} = -\frac{2}{x}$$

$$4) \frac{5}{2} = -\frac{b}{12}$$

$$5) -\frac{12}{2} = -\frac{7}{n}$$

$$6) \frac{2}{a} = \frac{6}{2}$$

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

$$8) \frac{12}{p} = \frac{11}{10}$$

$$9) \frac{n}{7} = \frac{3}{4}$$

$$10) \frac{4}{6} = -\frac{8}{x}$$

$$11) \frac{7}{6} = \frac{3}{m}$$

$$12) -\frac{3}{6} = \frac{r}{2}$$

$$13) -\frac{x}{9} = \frac{11}{12}$$

$$14) -\frac{v}{8} = -\frac{3}{12}$$

$$15) \frac{4}{7} = \frac{n}{11}$$

$$16) \frac{8}{b} = -\frac{5}{8}$$

$$17) \frac{8}{x} = \frac{7}{10}$$

$$18) \frac{5}{4} = -\frac{6}{n}$$

$$19) \frac{4}{12} = \frac{a}{9}$$

$$20) \frac{x}{5} = -\frac{12}{2}$$

$$21) \frac{12}{v} = \frac{6}{4}$$

$$22) -\frac{4}{11} = \frac{7}{9x}$$

$$23) \frac{9}{n} = \frac{6}{10}$$

$$24) \frac{x}{4} = \frac{6}{7}$$

$$25) -\frac{p}{11} = -\frac{5}{8}$$

$$26) -\frac{6}{k} = \frac{10}{5}$$

$$27) -\frac{11}{12} = \frac{n}{2}$$

$$28) \frac{2}{10r} = -\frac{3}{6}$$

$$29) \frac{7}{m} = \frac{11}{2}$$

$$30) -\frac{10}{x} = \frac{12}{5}$$

## Answers to Solving proportions - integers - fractions

1)  $\left\{\frac{45}{11}\right\}$

2)  $\left\{\frac{40}{7}\right\}$

3)  $\left\{-\frac{22}{7}\right\}$

4)  $\{-30\}$

5)  $\left\{\frac{7}{6}\right\}$

6)  $\left\{\frac{2}{3}\right\}$

7)  $\left\{-\frac{50}{3}\right\}$

8)  $\left\{\frac{120}{11}\right\}$

9)  $\left\{\frac{21}{4}\right\}$

10)  $\{-12\}$

11)  $\left\{\frac{18}{7}\right\}$

12)  $\{-1\}$

13)  $\left\{-\frac{33}{4}\right\}$

14)  $\{2\}$

15)  $\left\{\frac{44}{7}\right\}$

16)  $\left\{-\frac{64}{5}\right\}$

17)  $\left\{\frac{80}{7}\right\}$

18)  $\left\{-\frac{24}{5}\right\}$

19)  $\{3\}$

20)  $\{-30\}$

21)  $\{8\}$

22)  $\left\{-\frac{77}{36}\right\}$

23)  $\{15\}$

24)  $\left\{\frac{24}{7}\right\}$

25)  $\left\{\frac{55}{8}\right\}$

26)  $\{-3\}$

27)  $\left\{-\frac{11}{6}\right\}$

28)  $\left\{-\frac{2}{5}\right\}$

29)  $\left\{\frac{14}{11}\right\}$

30)  $\left\{-\frac{25}{6}\right\}$