

• Follow-Along •

Solve for the variable using cross products.

Reduce your answer, if possible, and convert IMPROPER FRACTIONS to MIXED NUMBERS.

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

$a = \underline{\hspace{2cm}}$

2) $\frac{b}{3} = \frac{4}{17}$

$b = \underline{\hspace{2cm}}$

3) $\frac{6}{L} = \frac{10}{9}$

$L = \underline{\hspace{2cm}}$

4) $\frac{9}{8} = \frac{h}{11}$

$h = \underline{\hspace{2cm}}$

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

$n = \underline{\hspace{2cm}}$

6) $\frac{7}{a} = \frac{19}{2}$

$a = \underline{\hspace{2cm}}$

7) $\frac{4}{9} = \frac{5}{v}$

$v = \underline{\hspace{2cm}}$

8) $\frac{D}{10} = \frac{7}{8}$

$D = \underline{\hspace{2cm}}$

9) $\frac{9}{5} = \frac{c}{6}$

$c = \underline{\hspace{2cm}}$

10) $\frac{M}{15} = \frac{2}{3}$

$M = \underline{\hspace{2cm}}$

11) $\frac{7}{3} = \frac{2}{q}$

$q = \underline{\hspace{2cm}}$

12) $\frac{11}{5} = \frac{4}{g}$

$g = \underline{\hspace{2cm}}$



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- 13) If Morgan can read 7 books in 8 days, exactly how many days would it take her to read 20 books?

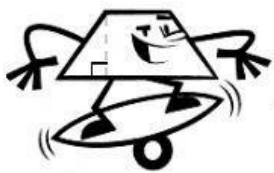
- 14) If it takes 5 pounds of peanuts to make 9 jars of peanut butter, exactly how many pounds of peanuts is needed to make 24 jars of peanut butter?

- 15) In a scale drawing, 3 millimeters represents 17 meters. Exactly how many millimeters represents 55 meters?

- 16) Joy can make 9 sandwiches in 15 minutes. At this rate, exactly how many minutes would it take Joy to make 30 sandwiches?

- 17) If 7 gallons of paint is needed to paint 3 equally sized rooms, exactly how many gallons of paint is needed to paint 5 rooms of the same size?

- 18) It takes 8 potatoes to make 130 french fries. Exactly how many potatoes would it take to make 200 french fries?



• Practice •

Solve for the variable.

1) $\frac{8}{3} = \frac{64}{P}$

$P = \underline{\hspace{2cm}}$

2) $\frac{40}{60} = \frac{w}{24}$

$w = \underline{\hspace{2cm}}$

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

$a = \underline{\hspace{2cm}}$

4) $\frac{D}{15} = \frac{2}{7}$

$D = \underline{\hspace{2cm}}$

5) $\frac{60}{45} = \frac{R}{6}$

$R = \underline{\hspace{2cm}}$

6) $\frac{10}{y} = \frac{35}{4}$

$y = \underline{\hspace{2cm}}$

7) $\frac{k}{9} = \frac{4}{11}$

$k = \underline{\hspace{2cm}}$

8) $\frac{13}{4} = \frac{Z}{12}$

$Z = \underline{\hspace{2cm}}$

9) $\frac{3}{f} = \frac{16}{5}$

$f = \underline{\hspace{2cm}}$

10) $\frac{q}{90} = \frac{7}{15}$

$q = \underline{\hspace{2cm}}$

11) $\frac{25}{3} = \frac{X}{4}$

$X = \underline{\hspace{2cm}}$

12) $\frac{24}{20} = \frac{54}{h}$

$h = \underline{\hspace{2cm}}$