Name ___________________________       Date ____________________

Solving for the Missing Proportions Version 1

1. \( \frac{4}{10} = \frac{32}{x} \)
   Answer: ____

2. \( \frac{k}{3} = \frac{90}{10} \)
   Answer: ____

3. \( \frac{q}{3} = \frac{2}{6} \)
   Answer: ____

4. \( \frac{15}{5} = \frac{y}{4} \)
   Answer: ____

5. \( \frac{20}{5} = \frac{4}{z} \)
   Answer: ____

6. \( \frac{6}{12} = \frac{b}{6} \)
   Answer: ____

7. \( \frac{c}{3} = \frac{126}{18} \)
   Answer: ____

8. \( \frac{8}{5} = \frac{w}{15} \)
   Answer: ____

9. \( \frac{35}{7} = \frac{25}{x} \)
   Answer: ____

10. \( \frac{2}{6} = \frac{7}{d} \)
    Answer: ____

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Answer Key

1. $x = 80$
2. $k = 27$
3. $q = 1$
4. $y = 12$
5. $z = 1$
6. $b = 3$
7. $c = 21$
8. $w = 24$
9. $x = 5$
10. $d = 21$
Solving for the Missing Proportions Version 2

1. \( \frac{a}{91} = \frac{7}{13} \)

   Answer: _____

2. \( \frac{85}{b} = \frac{5}{2} \)

   Answer: _____

3. \( \frac{72}{88} = \frac{u}{11} \)

   Answer: _____

4. \( \frac{x}{72} = \frac{4}{36} \)

   Answer: _____

5. \( \frac{d}{60} = \frac{40}{10} \)

   Answer: _____

6. \( \frac{5}{y} = \frac{15}{60} \)

   Answer: _____

7. \( \frac{9}{27} = \frac{f}{81} \)

   Answer: _____

8. \( \frac{21}{3} = \frac{t}{21} \)

   Answer: _____

9. \( \frac{28}{e} = \frac{7}{14} \)

   Answer: _____

10. \( \frac{m}{84} = \frac{1}{12} \)

    Answer: _____
Answer Key

\[ \frac{a}{91} = \frac{7}{13} \quad \quad \frac{85}{b} = \frac{5}{2} \]

1

Answer: \( a = 49 \) \quad Answer: \( b = 34 \)

\[ \frac{72}{88} = \frac{u}{11} \quad \quad \frac{x}{72} = \frac{4}{36} \]

3

Answer: \( u = 9 \) \quad Answer: \( x = 8 \)

\[ \frac{d}{60} = \frac{40}{10} \quad \quad \frac{5}{y} = \frac{15}{60} \]

5

Answer: \( d = 240 \) \quad Answer: \( y = 20 \)

\[ \frac{9}{27} = \frac{f}{81} \quad \quad \frac{21}{3} = \frac{t}{21} \]

7

Answer: \( f = 27 \) \quad Answer: \( t = 147 \)

\[ \frac{28}{e} = \frac{7}{14} \quad \quad \frac{m}{84} = \frac{1}{12} \]

9

Answer: \( e = 56 \) \quad Answer: \( m = 7 \)

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Solving for the Missing Proportions Version 3

\[
\frac{x}{42} = \frac{41}{84} \quad \frac{80}{10} = \frac{x}{3}
\]

1 \hspace{1cm} 2

Answer: _____ \hspace{1cm} Answer: _____

\[
\frac{5}{x} = \frac{15}{45} \quad \frac{76}{x} = \frac{38}{17}
\]

3 \hspace{1cm} 4

Answer: _____ \hspace{1cm} Answer: _____

\[
\frac{20}{150} = \frac{x}{75} \quad \frac{x}{13} = \frac{104}{104}
\]

5 \hspace{1cm} 6

Answer: _____ \hspace{1cm} Answer: _____

\[
\frac{126}{42} = \frac{3}{x} \quad \frac{21}{5} = \frac{63}{x}
\]

7 \hspace{1cm} 8

Answer: _____ \hspace{1cm} Answer: _____

\[
\frac{x}{6} = \frac{22}{2} \quad \frac{4}{8} = \frac{16}{x}
\]

9 \hspace{1cm} 10

Answer: _____ \hspace{1cm} Answer: _____

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Answer Key

\[
\frac{x}{42} = \frac{40}{84} \quad \frac{80}{10} = \frac{x}{3}
\]

1

Answer: \(x = 20\) \quad Answer: \(x = 24\)

\[
\frac{5}{x} = \frac{15}{45} \quad \frac{76}{x} = \frac{38}{17}
\]

3

Answer: \(x = 15\) \quad Answer: \(x = 34\)

\[
\frac{20}{150} = \frac{x}{75} \quad \frac{x}{13} = \frac{104}{104}
\]

5

Answer: \(x = 10\) \quad Answer: \(x = 13\)

\[
\frac{126}{42} = \frac{3}{x} \quad \frac{21}{5} = \frac{63}{x}
\]

7

Answer: \(x = 1\) \quad Answer: \(x = 15\)

\[
\frac{x}{6} = \frac{22}{2} \quad \frac{4}{8} = \frac{16}{x}
\]

9

Answer: \(x = 66\) \quad Answer: \(x = 32\)
Solving for the Missing Proportions Version 4

1. \( \frac{y}{16} = \frac{3}{4} \)
   Answer: _____

2. \( \frac{42}{90} = \frac{a}{15} \)
   Answer: _____

3. \( \frac{5}{7} = \frac{x}{21} \)
   Answer: _____

4. \( \frac{y}{10} = \frac{49}{70} \)
   Answer: _____

5. \( \frac{12}{18} = \frac{w}{9} \)
   Answer: _____

6. \( \frac{33}{p} = \frac{11}{4} \)
   Answer: _____

7. \( \frac{12}{u} = \frac{10}{5} \)
   Answer: _____

8. \( \frac{9}{7} = \frac{72}{t} \)
   Answer: _____

9. \( \frac{8}{10} = \frac{32}{s} \)
   Answer: _____

10. \( \frac{c}{9} = \frac{12}{6} \)
    Answer: _____

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Answer Key

\[
\frac{y}{16} = \frac{3}{4} \quad \quad \frac{42}{90} = \frac{a}{15}
\]

1

Answer: \( y = 12 \) \hspace{1cm} \text{Answer: } a = 7

\[
\frac{5}{7} = \frac{x}{21} \quad \quad \frac{y}{10} = \frac{49}{70}
\]

3

Answer: \( x = 15 \) \hspace{1cm} \text{Answer: } y = 7

\[
\frac{12}{18} = \frac{w}{9} \quad \quad \frac{33}{p} = \frac{11}{4}
\]

5

Answer: \( w = 6 \) \hspace{1cm} \text{Answer: } p = 12

\[
\frac{12}{u} = \frac{10}{5} \quad \quad \frac{9}{7} = \frac{72}{t}
\]

7

Answer: \( u = 6 \) \hspace{1cm} \text{Answer: } t = 56

\[
\frac{8}{10} = \frac{32}{S} \quad \quad \frac{c}{9} = \frac{12}{6}
\]

9

Answer: \( S = 40 \) \hspace{1cm} \text{Answer: } c = 18

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