

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. $d = 21$

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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: _____

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Answer Key

1 $\frac{a}{91} = \frac{7}{13}$

Answer: a = 49

2 $\frac{85}{b} = \frac{5}{2}$

Answer: b = 34

3 $\frac{72}{88} = \frac{u}{11}$

Answer: u = 9

4 $\frac{x}{72} = \frac{4}{36}$

Answer: x = 8

5 $\frac{d}{60} = \frac{40}{10}$

Answer: d = 240

6 $\frac{5}{y} = \frac{15}{60}$

Answer: y = 20

7 $\frac{9}{27} = \frac{f}{81}$

Answer: f = 27

8 $\frac{21}{3} = \frac{t}{21}$

Answer: t = 147

9 $\frac{28}{e} = \frac{7}{14}$

Answer: e = 56

10 $\frac{m}{84} = \frac{1}{12}$

Answer: m = 7

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Solving for the Missing Proportions Version 3

$$\frac{x}{42} = \frac{41}{84}$$

1

Answer: _____

$$\frac{80}{10} = \frac{x}{3}$$

2

Answer: _____

$$\frac{5}{x} = \frac{15}{45}$$

3

Answer: _____

$$\frac{76}{x} = \frac{38}{17}$$

4

Answer: _____

$$\frac{20}{150} = \frac{x}{75}$$

5

Answer: _____

$$\frac{x}{13} = \frac{104}{104}$$

6

Answer: _____

$$\frac{126}{42} = \frac{3}{x}$$

7

Answer: _____

$$\frac{21}{5} = \frac{63}{x}$$

8

Answer: _____

$$\frac{x}{6} = \frac{22}{2}$$

9

Answer: _____

$$\frac{4}{8} = \frac{16}{x}$$

10

Answer: _____

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Answer Key

1
$$\frac{x}{42} = \frac{40}{84}$$

Answer: $x = 20$

2
$$\frac{80}{10} = \frac{x}{3}$$

Answer: $x = 24$

3
$$\frac{5}{x} = \frac{15}{45}$$

Answer: $x = 15$

4
$$\frac{76}{x} = \frac{38}{17}$$

Answer: $x = 34$

5
$$\frac{20}{150} = \frac{x}{75}$$

Answer: $x = 10$

6
$$\frac{x}{13} = \frac{104}{104}$$

Answer: $x = 13$

7
$$\frac{126}{42} = \frac{3}{x}$$

Answer: $x = 1$

8
$$\frac{21}{5} = \frac{63}{x}$$

Answer: $x = 15$

9
$$\frac{x}{6} = \frac{22}{2}$$

Answer: $x = 66$

10
$$\frac{4}{8} = \frac{16}{x}$$

Answer: $x = 32$

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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

1 $\frac{y}{16} = \frac{3}{4}$

Answer: y = 12

2 $\frac{42}{90} = \frac{a}{15}$

Answer: a = 7

3 $\frac{5}{7} = \frac{x}{21}$

Answer: x = 15

4 $\frac{y}{10} = \frac{49}{70}$

Answer: y = 7

5 $\frac{12}{18} = \frac{w}{9}$

Answer: w = 6

6 $\frac{33}{p} = \frac{11}{4}$

Answer: p = 12

7 $\frac{12}{u} = \frac{10}{5}$

Answer: u = 6

8 $\frac{9}{7} = \frac{72}{t}$

Answer: t = 56

9 $\frac{8}{10} = \frac{32}{s}$

Answer: s = 40

10 $\frac{c}{9} = \frac{12}{6}$

Answer: c = 18