

Proportions Worksheet

Round the answers to 1 decimal digit.

1 a.
$$\frac{19}{b} = \frac{76}{87}$$

1 b.
$$\frac{a}{88} = \frac{67}{75}$$

1 c.
$$\frac{38}{34} = \frac{80}{x}$$

2 a.
$$\frac{c}{92} = \frac{28}{39}$$

2 b.
$$\frac{46}{63} = \frac{35}{c}$$

2 c.
$$\frac{a}{37} = \frac{94}{28}$$

3 a.
$$\frac{70}{54} = \frac{14}{b}$$

3 b.
$$\frac{61}{40} = \frac{c}{33}$$

3 c.
$$\frac{77}{d} = \frac{64}{46}$$

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4 a. $\frac{77}{59} = \frac{x}{16}$

4 b. $\frac{90}{95} = \frac{100}{a}$

4 c. $\frac{92}{51} = \frac{d}{74}$

5 a. $\frac{29}{92} = \frac{46}{x}$

5 b. $\frac{76}{18} = \frac{c}{65}$

5 c. $\frac{62}{53} = \frac{8}{b}$

6 a. $\frac{69}{15} = \frac{50}{d}$

6 b. $\frac{b}{25} = \frac{23}{62}$

6 c. $\frac{65}{a} = \frac{27}{57}$

7 a. $\frac{56}{98} = \frac{d}{47}$

7 b. $\frac{2}{15} = \frac{x}{33}$

7 c. $\frac{d}{26} = \frac{99}{95}$

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$$8 \text{ a. } \frac{10}{x} = \frac{27}{56}$$

$$8 \text{ b. } \frac{c}{1} = \frac{23}{34}$$

$$8 \text{ c. } \frac{11}{79} = \frac{97}{b}$$

$$9 \text{ a. } \frac{b}{60} = \frac{68}{59}$$

$$9 \text{ b. } \frac{89}{a} = \frac{10}{92}$$

$$9 \text{ c. } \frac{31}{41} = \frac{d}{55}$$

$$10 \text{ a. } \frac{73}{98} = \frac{88}{b}$$

$$10 \text{ b. } \frac{77}{d} = \frac{52}{25}$$

$$10 \text{ c. } \frac{36}{2} = \frac{a}{25}$$

Answer Key

Answers are rounded to 1 decimal digit.

1 a. $b = 21.8$	1 b. $a = 78.6$	1 c. $x = 71.6$
2 a. $c = 66.1$	2 b. $c = 47.9$	2 c. $a = 124.2$
3 a. $b = 10.8$	3 b. $c = 50.3$	3 c. $d = 55.3$
4 a. $x = 20.9$	4 b. $a = 105.6$	4 c. $d = 133.5$
5 a. $x = 145.9$	5 b. $c = 274.4$	5 c. $b = 6.8$
6 a. $d = 10.9$	6 b. $b = 9.3$	6 c. $a = 137.2$
7 a. $d = 26.9$	7 b. $x = 4.4$	7 c. $d = 27.1$
8 a. $x = 20.7$	8 b. $c = 0.7$	8 c. $b = 696.6$
9 a. $b = 69.2$	9 b. $a = 818.8$	9 c. $d = 41.6$
10 a. $b = 118.1$	10 b. $d = 37$	10 c. $a = 450$