

Name: Answer Key

Extra Practice Proportions

Write a proportion and then solve it for each problem. Be sure to show all the steps for solving a proportion. If necessary, round answers to the nearest tenth.

1. What number is 70% of 45?

$$45(.70) = 31.5$$

1. 31.5

2. 23% of 75 is what number?

$$75(.23) = 17.25$$

2. 17.25

3. 45 is what percent of 90?

$$\frac{45}{90} = .5 = 50\%$$

3. 50%

4. What percent of 77 is 7?

$$\frac{7}{77} = .11 = 11\%$$

4. 1100%

5. 15 is 25% of what number?

$$\frac{15}{x} = \frac{25}{100} \quad 25x = 1500$$
$$x = 60$$

5. 60

6. 18% of what number is 43?

$$\frac{43}{x} = \frac{18}{100} \quad 4300 = 18x$$
$$x = 238.\bar{8}$$

6. 238. $\bar{8}$

7. What number is 75% of 125?

$$125(.75) = 93.75$$

7. 93.75

8. 60 is what percent of 25?

$$\frac{60}{25} = 2.40 = 240\%$$

8. 240%

9. 39 is 150% of what number?

$$\frac{39}{x} = \frac{150}{100} \quad 3900 = 150x$$
$$x = 26$$

9. 26

10. What percent of 752 is 25?

$$\frac{25}{752} = .033 = 3.3\%$$

10. 3.3%

11. 95% of what number is 19?

$$\frac{19}{x} = \frac{95}{100} \quad 1900 = 95x$$
$$x = 20$$

11. 20

12. 0.5% of 490 is what number?

$$490(.005) = 2.45$$

12. 2.45