

# ANSWER KEY Extra Practice: 8.3 The Percent Proportion

Pre-Algebra

Unit 8: Percent

8.3: Percent and Proportions

Write and solve a proportion to answer each question.

$$\frac{\text{is}}{\text{of}} = \frac{\text{part}}{\text{whole}}$$

$$\frac{\%}{100} = \frac{\text{part}}{\text{whole}}$$

1. What number is 25% of 60?

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

2. 30 is what percent of 80?

$$37.5\% \quad \frac{30}{80} = \frac{x}{100}$$

3. 20 is 40% of what number?

$$50 \quad \frac{20}{x} = \frac{40}{100}$$

4. What number is 110% of 70?

$$77 \quad \frac{x}{70} = \frac{110}{100}$$

5. 32 is what percent of 128?

$$25\% \quad \frac{32}{128} = \frac{x}{100}$$

6. What percent of 48 is 36?

$$75\% \quad \frac{36}{48} = \frac{x}{100}$$

7. 12 is what percent of 60?

$$20 \quad \frac{12}{60} = \frac{x}{100}$$

8. 8% of what number is 16?

$$200 \quad \frac{16}{x} = \frac{8}{100}$$

9. 42 is 8% of what number?

$$525 \quad \frac{42}{x} = \frac{8}{100}$$

10. 30% of 140 is what number?

$$42 \quad \frac{x}{140} = \frac{30}{100}$$

11. 150% of 22 is what number?

$$33 \quad \frac{x}{22} = \frac{150}{100}$$

12. What number is 0.6% of 30?

$$0.18 \quad \frac{x}{30} = \frac{0.6}{100}$$