Answer Key · Lesson 8.3: Percent Equations and Proportions

School Launch · Pre-Algebra · Unit 8 · Worksheet A · for the parent

Key

1. 10%

34 is what percent of 340?

2. 60%

300 is what percent of 500?

3. 30%

156 is what percent of 520?

4. 60%

1. $\dfrac{228}{380} = 0.6$
2. $0.6 \times 100 = 60\%$

228 is what percent of 380?

5. 15%

1. $\dfrac{15}{100} = 0.15$
2. $0.15 \times 100 = 15\%$

15 is what percent of 100?

6. 10%

1. $\dfrac{30}{300} = 0.1$
2. $0.1 \times 100 = 10\%$

30 is what percent of 300?

7. 80%

1. $\dfrac{432}{540} = 0.8$
2. $0.8 \times 100 = 80\%$

432 is what percent of 540?

8. 540

1. $0.1 \cdot w = 54$, so $w = 54 \div 0.1$

54 is 10% of what number?

9. 460

1. $0.8 \cdot w = 368$, so $w = 368 \div 0.8$

368 is 80% of what number?

10. 540

1. $0.6 \cdot w = 324$, so $w = 324 \div 0.6$

324 is 60% of what number?