Module 7   **Ratio, Proportion, and Percent**
Lesson 2   **Finding Percents**

Write as a percent.

1. $\dfrac{15}{6}$ **2.** 2 to 500   **3.** 1 : 8

Evaluate.

4. 50% of 64   **5.** $\dfrac{1}{10}$% of 16   **6.** 130% of 700

7. Salvador has 48 math problems in his homework set. He has completed 25% of the problems. How many problems has Salvador completed?

8. The number of students in the sixth grade this year is 105% of the number in the sixth grade last year. Last year there were 80 sixth-graders. How many sixth-graders are in school this year?

9. Marc is allowed to watch 90 minutes of television each day. He already watched 50% of his minutes today. His older brother Tyrone is allowed to watch 120 minutes of television each day and has already watched 75% of his minutes today. How many minutes does each brother have left?

Determine if the ratios are in proportion.

10. $\dfrac{4}{5}$ and $\dfrac{8}{15}$

11. $\dfrac{27}{12}$ and $\dfrac{45}{20}$

12. $\dfrac{18}{9}$ and $\dfrac{6}{3}$

13. The ratio of red to blue balloons is $\dfrac{12}{15}$ in the dining room and $\dfrac{15}{25}$ in the kitchen. Are the ratios in proportion?

Journal

1. Tell how you can determine which ratio, without actually finding the equivalent percents, is greater than 100%. Then, find each percent.
$$\dfrac{5}{8} \quad \dfrac{8}{5}$$

2. What has to be true about the two terms of a ratio for the ratio to equal 100%? Give an example.

3. Duncan calculated 200% of 30 to be six. Tell how you know, without doing any work, that his answer is wrong. Then, find the correct answer.

4. Explain two ways to show that $\dfrac{8}{18} = \dfrac{12}{27}$ is a proportion.

Module 7   Lesson 2

Independent Practice

Module 7   **Ratio, Proportion, and Percent**
Lesson 2   **Finding Percents**

Cumulative Review

Write as a fraction or mixed number.

1. 0.4

2. 6.5

3. 0.05

Identify the property shown.

4. $4 + 1 = 1 + 4$

5. $2 \times (3 \times 4) = (2 \times 3) \times 4$

6. $5(6 + 1) = 5(6) + 5(1)$

Round to the nearest tenth and nearest hundredth.

7.   523.126

8.   0.094

Add or subtract.

9. $10 - 0.023$

10. $\dfrac{1}{3} + \dfrac{4}{7}$

Add or subtract.

11.

$$14 - 3\frac{1}{2}$$

12. $0.35 + 1.6 + 3$