NAME_____

Module 7 **Ratio, Proportion, and Percent**
Lesson 3 **Decimal and Percent Equivalents**

Independent Practice 7.3

Find the decimal and percent equivalents.

1. $\frac{7}{10}$

2. $\frac{1}{25}$

3. $\frac{2}{15}$

4. $\frac{9}{20}$

5. $\frac{9}{600}$

6. $\frac{7}{9}$

7. $\frac{10}{11}$

8. $3\frac{4}{25}$

9. $16\frac{3}{5}$

10. Raul ran $\frac{1}{8}$ mile. What percent of a mile did Raul run?

11. Sally read $\frac{8}{9}$ of a book. What percent of the book did she read?

Journal

1. Explain two ways to convert $\frac{23}{25}$ to a percent.

2. Belinda found $\frac{1}{6}$ as shown below. What is her error? What is the correct percent?

$$6\overline{)1.00}\quad 0.1\overline{6}$$

$$\underline{-6}$$
$$40$$
$$\underline{-36}$$
$$4$$

$$= 16\frac{1}{6}\%$$

3. Why are all mixed numbers greater than 100%? Explain how to choose a mixed number if its percent equivalent has to be between 500% and 600%.

Cumulative Review

Tell if each number is a square number.

1. 30 **2.** 100 **3.** 500

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Evaluate.

4. $5^2 + \sqrt{9}$

5. $\sqrt{256} - \sqrt{1}$

6. $\sqrt{4} - 10^2$

7. $\sqrt{250,000}$

8. Find 45% of 800.

9. Find 250% of 1,500.

Answer each question.

10. Roxanne has eight pencils and 10 pens. Gavin has 12 pencils and 15 pens. Are the ratios of pencils to pens for each student the same? Tell why or why not.

11. What is the perimeter of a square if the area of the square is 400 square meters?

Additional Work Area