Ratios-Equivalent & Simplifying

Name: _____   **Date:** _____

1. For the given rectangle, write the ratio that compares length to width.

$$\ell = 12\,\text{cm}$$

$w = 8\,\text{cm}$

2. Use the diagram to find the ratio of □ to ○.

3. What is the ratio of shaded squares to non-shaded squares in the picture?

4. Examine the given recipes. For each ingredient, what is the ratio of the amount in Recipe 1 to the amount in Recipe 2?

	Water (cups)	Rice (cups)
Recipe 1	4	2
Recipe 2	8	4

5. A free throw contest was held during half time at the Western Harnett High School basketball game. Which student successfully completed $\frac{2}{3}$ of his or her free throws?

Contestant	Free Throws
Troy	11 of 33
Cynthia	16 of 33
Jody	22 of 33
Kristy	23 of 33

   A. Troy   B. Cynthia

   C. Jody   D. Kristy

6. A ratio of 4 to 12 is the same as _____ .

7. A ratio of $48:8$ is equivalent to ____ .

   A. $\frac{8}{1}$ B. $\frac{6}{1}$ C. $\frac{6}{8}$ D. $\frac{1}{40}$

8. Select the ratio that compares the value of a dime to a penny.

   A. $1:10$ B. $10:1$ C. $10:5$ D. $2:1$

9. Select the ratio that compares the value of a dollar to a dime.

   A. $100:1$ B. $\frac{10}{1}$ C. $25:1$ D. $1:10$