

Student Name:

## Ratios and Proportions

Write each ratio as a fraction in lowest terms.

1. 8 to 9

2. 11 to 15

3. 30 minutes to 90 minutes

4. 9 pounds to 36 pounds

5. 45 books to 35 books

Write the proportion.

6. 120 feet is to 150 feet as 8 feet is to 10 feet

Determine whether each proportion is true or false by writing the ratios in lowest terms.

7.  $\frac{6}{10} = \frac{3}{5}$

8.  $\frac{1}{4} = \frac{9}{36}$

Use cross products to determine whether each proportion is true or false.

9.  $\frac{2}{9} = \frac{6}{27}$

10.  $\frac{20}{25} = \frac{4}{5}$