

Chapter5: Similarity  
Lesson 5-1: Using Proportions  
Warmup: Current

Name \_\_\_\_\_  
Date \_\_\_\_\_  
Period \_\_\_\_\_

1. 3 out of 5 students surveyed enjoyed riding a bicycle. If 900 students are surveyed, how many would you expect to say they enjoy riding a bicycle?
2. Brian swims 300 meters in 6 minutes. How many minutes would you expect Brian to swim 400 meters?
3. Express  $\frac{27}{36}$  in simplest form.

**Solve.**

4.  $\frac{9}{x+2} = \frac{3}{x}$

5.  $\frac{4}{6x+2} = \frac{1}{x}$

6.  $\frac{x-2}{x+1} = \frac{1}{2}$

7.  $\frac{x+3}{x-5} = \frac{10}{4}$