

# Assignment

Assignment for Lesson 7.1

Name \_\_\_\_\_

Date \_\_\_\_\_

7

## Ace Reporter Ratio and Proportion

Write a ratio that is equivalent to each ratio.

1.  $\frac{6}{12} =$

2.  $\frac{7}{12} =$

3.  $\frac{4}{15} =$

4.  $14 : 7 =$

5.  $3 : 25 =$

6.  $1.25 : 7 =$

Solve each proportion.

7.  $\frac{12}{15} = \frac{16}{x}$

8.  $\frac{3.5}{8} = \frac{x}{24}$

9.  $\frac{7}{x} = \frac{56}{8}$

Read the problem scenario below. Use the scenario to answer Question 10.

You are on the refreshment committee for a school dance. Your committee has decided to serve pizza at the dance, but you need to find out what kinds of toppings to get for your pizza. You survey 45 students and get the following results.

7 students prefer cheese.

25 students prefer pepperoni.

8 students prefer mushrooms.

5 students prefer sausage.

10. Your committee expects about 220 students to attend the dance. Set up and solve proportions to calculate the number of students at the dance who would prefer each kind of pizza based on the data you collected. Round your answers to the nearest whole number if necessary.