

Name: _____

Proportions

A) Solve for the missing number in each proportion.

1) $\frac{24}{17} = \frac{m}{34}$

2) $\frac{14}{a} = \frac{4}{14}$

3) $\frac{5}{9} = \frac{3}{y}$

4) $\frac{5}{7} = \frac{13}{p}$

5) $\frac{2}{3} = \frac{q}{48}$

6) $\frac{5}{8} = \frac{20}{m}$

7) $\frac{x}{24} = \frac{3}{4}$

B) The ratio of boys to girls at the dance was 9 to 5.

8) How many girls were at the dance if there were 85 girls at the dance?

C) A 12 ounce can of Coke costs \$0.50 when purchased from the soda machine at the school. An 18 ounce bottle of Pepsi from the soda machine at the local gas station costs \$1.25.

9) Find the unit cost of each to determine which location has the less expensive soda per ounce?

D) The ratio of teachers to students in a school is 2 to 45.

10) How many teachers are in the school if there is a total of 1410 students and teachers altogether in the school?