

Name: _____ Date: _____

Ratios, Proportions and Similar Figure Test Review

1.) At the kennel, there are 27 dogs and 15 cats. What is the ratio of cats to dogs?

- a. 27:15 b. 5:9 c. 9:5 d. 9:16

2.) Find the ratios that form a proportion:

- a. $\frac{6}{12} = \frac{1}{3}$ b. $\frac{3}{2} = \frac{2}{3}$ c. $\frac{5}{9} = \frac{15}{27}$ d. $\frac{20}{5} = \frac{1}{4}$

3.) Find the missing value. $\frac{8}{20} = \frac{40}{x}$

- a. 100 b. 80 c. 16 d. 4

4.) If Delanie drove 340 miles in 5 hours, which proportion could be used to show how many hours would it take her to drive 612 miles?

- a. $\frac{340}{5} = \frac{x}{612}$ b. $\frac{340}{x} = \frac{612}{5}$ c. $\frac{5}{340} = \frac{x}{612}$ d. $\frac{5}{x} = \frac{612}{340}$

5.) Jennifer typed 180 words in 5 minutes. How many words did she type per minute?

- a. 90 b. 50 c. 900 d. 36

6.) Whitney wants to buy a new coat that has a regular price of \$185. This weekend, the coat is on sale at a 33% discount. What is the sale price of the coat?

- a. \$152 b. \$61.05 c. \$246.05 d. 123.95

7.) What is the total cost of an Xbox if the regular price is \$390 and the sales tax is 6%?

- a. \$23.40 b. \$413.40 c. \$366.60 d. \$384

8.) 39% of the students bought yearbooks. If there were 230 yearbooks sold, how many students are there (to the nearest whole number)?

- a. 590 b. 90 c. 191 d. 269

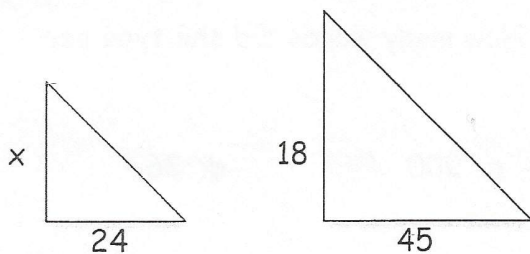
9.) A \$750 TV is on sale for 25% off. How much will you save by buying it on sale?

- a. \$25 b. \$562.50 c. \$725 d. \$187.50

10.) Kidco Furniture produces children's furniture that is similar in shape to full-sized furniture. The top of a full-sized desk measures 54 inches long by 36 inches wide. If the top of a child's desk is 24 inches wide, what is the length?

- a. 1 b. 7.5 c. 16 d. 36

11.) Find the value of x .



- a. 33.75 b. 9.6 c. 52.92 d. 18