

Math 6 - Unit 2: Rates, Ratios & Proportions

Name: _____

Mid-Unit Test

Class Period: 1 2 3 4 Date: _____

Vocabulary Matching

For numbers 1-3, match the correct term with its definition.

1) Define rate: _____

2) Define unit rate: _____

3) Define ratio: _____

Use the picture to the right to answer questions 5-7

4) What is the ratio of footballs to ALL balls?

5) What is the ratio of basketballs to soccer balls and footballs?

6) Was the ratio in question #5 a part to part or part to whole ratio?

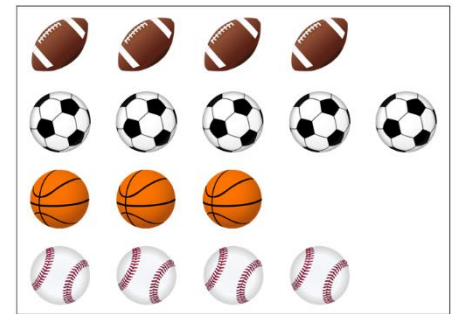
7) Write a ratio that show a part to part relationship.

8) Write a ratio that shows a part to whole relationship.

7) An animal shelter has 18 kittens and 9 puppies available for adoption. What is the ratio of puppies to kittens?

8) ECMS spent \$105 for 15 pizzas for the Homework Stars Party. What is the unit rate (price per pizza?)

9) Use ratio language to write the following: 4 bananas : 2 apples



Use the table to answer questions 10 and 11.

The table below shows the rates of 2 racecars in a race. Evaluate the unit rates to complete the chart.

Racecar	Rate	Unit Rate (miles per hour)
Red Car	360 miles/3 hours	
Yellow Car	750 miles/5 hours	

10) In the chart above, which car was the fastest?

11) Kayla bought 6 candies for \$3.60. Isaac bought 15 candies for \$11.25 How much did each student pay per candy?

12) Complete the ratio table.

13		39	52
1	2		

13) Complete the ratio table.

4		20	
7	21		56

14) Complete the ratio table.

2		18	
	9	27	90

15) Is the pair of ratios equivalent? $\frac{2}{3} = \frac{4}{6}$

16) Is the pair of ratios equivalent? $\frac{14}{20} = \frac{7}{10}$

17) Is the pair of ratios equivalent? $\frac{12}{40} = \frac{6}{10}$

18) Jayda sent 72 texts in 6 days. At this rate, how many texts will she send in 10 days?

19) Coke costs \$3.90 for 6 cans and Pepsi costs \$2.80 for 4 cans. Which one is the better deal?

20) Dunkin donuts sells a dozen donuts for \$13.44, Krispy Cream sells a half dozen for \$5.94. Which one is the better deal?

21) Explain how to simplify a ratio: _____

Simplify the following ratios:

22) 9 to 27

23) 4 : 26

24) $\frac{14}{56}$

25) 11 : 13