

Rates and Unit Rates Test

Name: _____

Class Period: _____

- 1) Patrick paid \$15.00 for 12 organic peaches. How much did he pay per peach?
- a) \$2.00 per peach
 - b) \$1.25 per peach
 - c) \$0.80 per peach
 - d) \$0.20 per peach

- 2) Brianne ate hot dogs in a hot dog eating contest for 20 minutes. The table shows the number of hot dogs she ate over time.

Time (in minutes)	Number of Hot Dogs Eaten
4	16
8	32
12	48
16	64

How many hot dogs can Brianne eat per minute?

- a) 4
 - b) 12
 - c) 3
 - d) 24
- 3) A pottery maker can make 20 vases in 6 days. If the pottery maker works 10 hours each day, how long does it take to make 1 vase?
- a) 2 hours
 - b) 3 hours
 - c) 4 hours
 - d) 6 hours
- 4) Kate pays \$36 for **2 sets** of candle. **Each set** contains 4 red candles and 5 white candles. What is the cost per candle in these sets?
- a) \$5.25
 - b) \$4
 - c) \$2
 - d) \$6

Student	Number of Questions	Time (minutes)
Beatrice	60	3
Griselda	105	5
Carrie	84	4
Hilde	48	2

The table shows the records of timed multiplication tests for four students. Use the table to answer questions 5-7. Choose A for true or B for false.

- 5) Beatrice's average was 20 questions per minute.
- 6) Griselda's average was 22 questions per minute.
- 7) Carrie had the slowest average per minute. This means she answered the least amount of questions per minute.

- 8) Christina played piano from 1:30 to 4:30 yesterday. She played 20 songs. How many minutes did she spend per song?

- a) 9 minutes
- b) 6 minutes
- c) 1.5 minutes
- d) 12 minutes

9) Justin is comparing prices on socks. Walmart has a 8-pack of socks for \$4.00, Target is selling an 12-pack for \$9.00 and Dollar General sells 10 for \$8.00.

Which statement is true?

- a) Walmart has the cheapest price per sock.
- b) Target has the cheapest price per sock.
- c) Dollar General has the cheapest price per sock.
- d) Dollar General and Target has the same price per sock.

The Millers drove 240 miles in 6 hours, and they are continuing to drive at the same rate.

Select True or False for each statement. Choose A for True and B for False.

10) True or False:	It will take them 5 hours to drive 200 miles.
11) True or False:	It will take them 9 hours to drive 360 miles.
12) True or False:	It will take them 14 hours to drive 600 miles.
13) True or False:	It will take them 18 hours to drive 720 miles.

14) An online retailer charges \$45 for 18 cans of tennis balls. Which statement is correct?

- a) The cost of 150 cans of tennis balls is \$380
- b) The cost of 100 cans of tennis balls is \$225
- c) The cost of 180 cans of tennis balls is \$450
- d) The cost of 200 cans of tennis balls is \$550

Mr. Connelly is planning a field trip for his students. The tables below represent the cost of admission at three different museums. Use the table to answer each question.

McArthur Museum of Art:

Number of Admissions	Total Cost (\$)
2	24
4	48
5	60

15) How much would it cost to bring 11 people to this museum?

Museo Del Prado

Number of Admissions	Total Cost (\$)
3	27
6	54
8	72

17) If you brought 10 people to this museum, how much would it cost?

Museum of Modern Architecture:

Number of Admissions	Total Cost (\$)
4	32
5	40
6	48

16) If you had \$72, how many people could you bring to this museum?

