

Study Guide for Test on 2/24/17

1) Which is equivalent to 7,000 grams?

- a) 7 milligrams c) 70 milligrams
b) 7 kilograms d) 70 kilograms

2) If Henry wanted to measure the distance from Emerald Isle, NC to New York, NY, which would be the most appropriate to use?

- a) meters c) kilometers
b) millimeters d) centimeters

3) How many quarts is equivalent to 12 gallons?

- a) 48 b) 24 c) 12 d) 36

4) Steve Smith ran for 8 yards in the football game. How many inches did he run?

- a) 288 c) 96
b) 192 d) 80

5) Which of the following is true about a square with side lengths of 4 inches?

- a) the area is twice the perimeter
b) the area is less than the perimeter
c) the area is equal to the perimeter
d) the area is greater than the perimeter

6) Mackenzie is decorating a page in her scrapbook. She wants to glue ribbon along the edges of the page that measure 10 inches by 11 inches. How many inches of ribbon will she need?

- a) 21 in c) 42 in
b) 110 in d) 31 in

7) Ms. Fulghum is re-tiling her bathroom floor. The square tiles measure 9 inches on each side. What happens to the area covered by the tiles each time she adds a tile to the floor?

- a) the area covered increases by 9 sq. in.
b) the area covered increases by 18 sq. in.
c) the area covered increases by 36 sq. in.
d) the area covered increases by 81 sq. in.

8) A rectangular door has a perimeter of 18 feet and a width of 2 feet. What is the area of the door?

- a) 36 sq. ft. c) 32 sq. ft.
b) 14 sq. ft. d) 9 sq. ft.

9) Which of the following is true?

- a) $0.84 = 0.48$ c) $0.35 > 0.46$
b) $0.90 = 0.09$ d) $0.84 > 0.80$

10) Linus and Lucy are comparing the sizes of two carrots. The carrots are 2.67 inches long and 2.7 inches long. What math sentence correctly depicts a comparison of the two carrots?

- a) $2.67 < 2.7$ c) $2.67 > 2.7$
b) $2.67 = 2.7$ d) $2.67 + 2.7$

11) All of the high schools students will be taking a bus trip to ECU. If there are a total of 3,482 students going and 80 students can ride each bus, what is the least number of buses needed to take the students?

- a) 41 c) 43
b) 42 d) 44

12) James has 125 cards. Jenny has 31 more cards than James. Jude has 16 more cards than Jenny. How many cards do all three children have combined?

- a) 443 c) 172
b) 453 d) 353

13) Which statement is true?

- a) All odd numbers are composite
b) All even numbers are prime
c) All prime numbers have only two factors
d) All composite numbers have only two factors

Study Guide for Test on 2/24/17

14) Four jerseys were being displayed in the gym for a basketball game. The numbers on the jerseys were 12, 15, 5, 9. Which jersey had a prime number on it?

- a) 12
- b) 5
- c) 15
- d) 9

15) Which expression shows factors of 80?

- a) $2 \times 6 \times 3$
- b) $3 \times 5 \times 4$
- c) $5 \times 2 \times 8$
- d) $4 \times 7 \times 1$

16) Three kids are weighing their candy bags at halloween. One weighs, $\frac{4}{8}$ pound, another

weighs $\frac{5}{8}$ pound and the last weighs $\frac{2}{8}$

pound. Which best describes the total weight of their candy?

- a) less than 1 pound
- b) between 1 and $1\frac{1}{2}$ pounds
- c) between $1\frac{1}{2}$ and 2 pounds
- d) more than 2 pounds

17) A family was traveling to Georgia for a summer vacation. They drove for 5 hours and took two bathroom breaks each lasting 15 minutes. They arrived in Georgia at 1:30 pm. What time did the family leave their house?

- a) 7:00 pm
- b) 8:00 am
- c) 8:15 am

18) A play starts at the time shown below.



If the play is over at 8:10 p.m., how long did the play last?

- a) 50 minutes
- b) 1 hour and 10 minutes
- c) 1 hour and 55 minutes
- d) 2 hours

19) Using the pattern below, determine the rule.

{ 64, 71, 68, 75, 72, 79, 76 }

- a) add 3, then subtract 7
- b) add 7, then subtract 3
- c) add 7, then subtract 4
- d) add 8, then subtract 3

20) List all the ways to make 40 cent using only quarters, dimes, and nickels. **NO PENNIES!**

Use the lines below as needed.

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____
- 13) _____
- _____