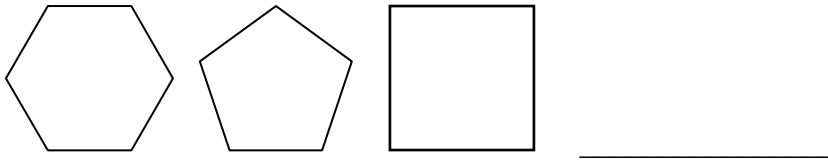
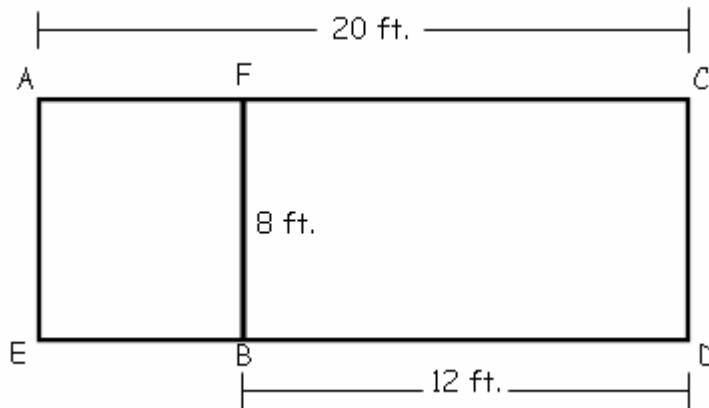


1.) Which is the next shape in the pattern?



- A. Pentagon      B. Triangle      C. Quadrilateral      D. Circle

2.) What is the perimeter of AEBF in the figure? All angles are right angles.



- A. 16 ft.      B. 20 ft.      C. 32 ft.      D. 40 ft.

3.) Which bus did Sandy take if she rode the bus from the library to the hospital for less than 30 minutes AND she got off before 4:15?

Bus Number	From Library	To Hospital
1	3:10	3:35
2	3:30	4:02
3	3:50	4:15
4	4:10	4:32

- A. 1      B. 2      C. 3      D. 4

4.) Elyssa is one year less than twice as old as her youngest brother. Which expression could be used to show her age?

- A.  $1 - 2b$                       B.  $2b - 1$                       C.  $2b$                       D.  $2b + 1$

5.) Evaluate the following expression:

$$9 + 7 \times 4 - 6 \div 3 - (12 - 5)$$

- A. 11                      B. 18                      C. 28                      D. 53

6.) What number is missing?

$$56, 44, 34, 26, \underline{\hspace{1cm}}, 16, 14$$

- A. 18                      B. 20                      C. 22                      D. 24

7.) What is the mean of the price of backpacks?

Price of Backpacks				
\$25	\$13	\$47	\$30	\$25

- A. \$25                      B. \$28                      C. \$34                      D. \$47

8.) There are 6 red, 4 green, and 2 blue marbles in a sack. If you reach in and pull out one marble, what is the probability it will be blue?

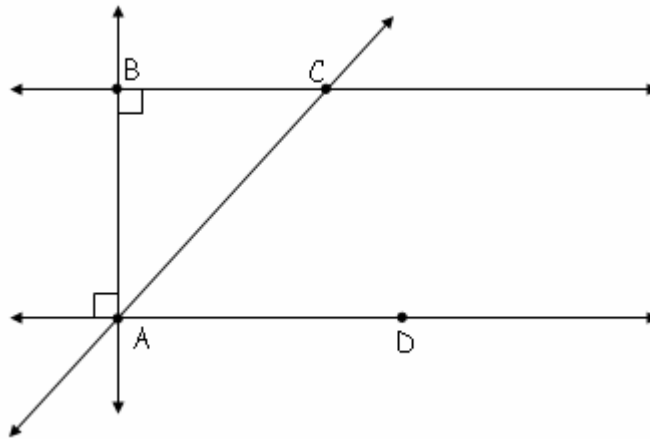
- A.  $\frac{1}{6}$                       B.  $\frac{1}{2}$                       C.  $\frac{1}{3}$                       D. 2

9.) What is the value of  $a$  in the following equation?

$$33 = (56 \div 7) \times 4 + a$$

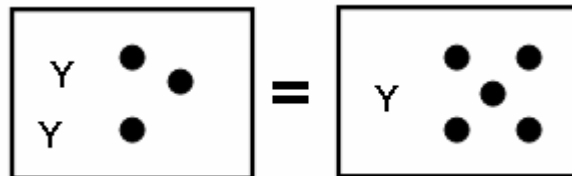
- A. 21                      B. 5                      C. 3                      D. 1

10.) Which of the following is *not* true about line AB and line BC?



- A. They are perpendicular.                      B. They form an acute angle.  
C. They form a right angle.                      D. They form a 90 degree angle.

11.) Use these objects to find the value of each **Y** variable.



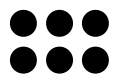


- A. **Y = 0** ●                      B. **Y = 1** ●                      C. **Y = 2** ●                      D. **Y = 3** ●

12.) Charles throws a fair 6-sided number generator, labeled 1 – 6. What is the chance he will get a prime number?

- A.  $\frac{1}{12}$                       B.  $\frac{1}{6}$                       C.  $\frac{2}{3}$                       D.  $\frac{1}{2}$

13.) How many dots will be in the eighth step?

- 


- Step 1                      Step 2                      Step 3
- A. 64                      B. 24                      C. 16                      D. 8

14.) How many packages of soccer cards are there?

### Sports Cards

Sport	Number of Cards	Number of cards in package
Baseball	630	5
Football	485	5
Basketball	575	5
Hockey	235	5
Soccer	310	5

- A. 5                      B. 62                      C. 310                      D. 315

15.) What is the missing number?

1, 4, 9, \_\_\_\_, 25

- A. 12                      B. 16                      C. 18                      D. 36

16.) What is the sum of the prime numbers?

7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18

- A. 48                      B. 31                      C. 17                      D. 13

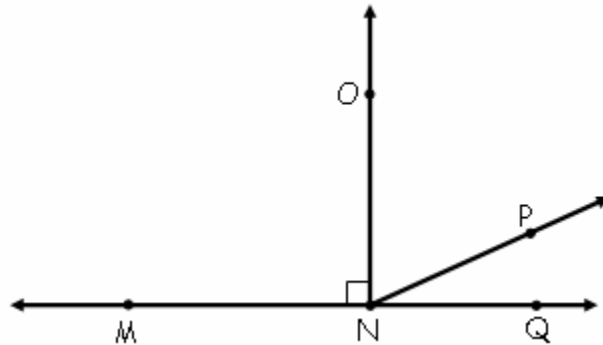
17.) Robyn's test scores are 75, 72, 81, 94, 77 and 73. Find the median of her scores.

- A. 81                      B. 77                      C. 76                      D. 75

18.) Gloria puts \$1.25 in her coin bank every week. This week she put in two dimes and twice as many nickels as quarters. How many nickels did she put in the bank this week?

- A. 6                      B. 5                      C. 3                      D. 2

19.) Which of the following angles measures approximately 30 degrees?



- A.  $\angle PNQ$       B.  $\angle ONP$       C.  $\angle MNO$       D.  $\angle ONQ$

20.) Choose the next three numbers in this decreasing sequence.

96, 87, 78, \_\_\_\_, \_\_\_\_, \_\_\_\_

- A. 96, 87, 78  
B. 69, 78, 87  
C. 69, 60, 51  
D. 67, 56, 45

21.) How many months are there in one quarter of a year?

- A. 1 month      B. 6 months      C. 3 months      D. 9 months

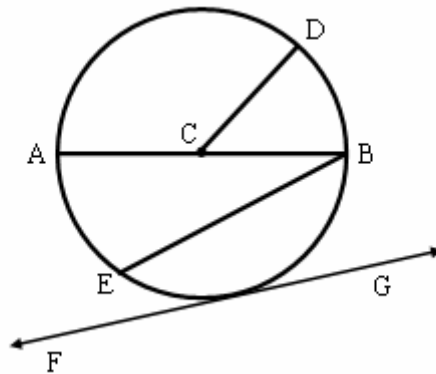
22.) Shari is three years older than twice the age of her little brother. If her little brother is four years old, how old is she?

- A. 7      B. 8      C. 10      D. 11

23.) Which of these shapes will tessellate to form a rectangle?

- A. right triangle      B. pentagon      C. hexagon      D. octagon

24.) What word describes line segment BE?



- A. chord      B. diameter      C. radius      D. perpendicular

25.) The store has a sale of “Buy two and get 30% off of both items.”

What would be the actual cost for two shirts originally costing \$12.00 each?

- A. \$20.40      B. \$16.80      C. \$8.40      D. \$7.20

26.) Jack’s allowance increases by \$1.00 each week. He receives \$4.00 the first week. How much money does he have after 4 weeks of allowance?

- A. \$4.00      B. \$5.00      C. \$16.00      D. \$22.00

27.) Rachel planted a vegetable garden in June that was 4 feet by 6 feet. In July she planted a second garden that was 12 inches by 36 inches. What is the total area of the garden space?

- A. 456 sq. ft.                      B. 432 sq. ft.                      C. 30 sq. ft.                      D. 27 sq. ft.

28.) Put these fractions in order from least to greatest.

$$\frac{2}{3}, \frac{3}{4}, \frac{1}{2}, \frac{2}{6}, \frac{1}{8}$$

A.  $\frac{1}{8}, \frac{2}{6}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$

B.  $\frac{1}{2}, \frac{1}{8}, \frac{2}{3}, \frac{2}{6}, \frac{3}{4}$

C.  $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{2}{6}, \frac{1}{8}$

D.  $\frac{1}{8}, \frac{2}{6}, \frac{1}{2}, \frac{3}{4}, \frac{2}{3}$

29.) There are 90 calories in six ounces of juice. How many calories are there in eight ounces of juice?

- A. 110                      B. 120                      C. 130                      D. 140

30.) A four sided figure measures four feet on one length, five feet on the opposite length, and three feet on each connecting length. This figure could be a \_\_\_\_\_.

- A. rectangle                      B. square                      C. rectangular solid                      D. trapezoid