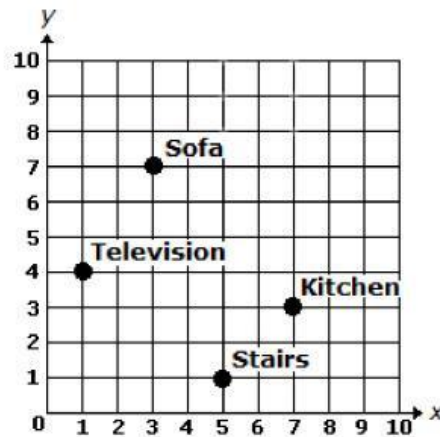


1.

Which statement is true about the ordered pair (3 , 6)?

- ☐ A. To plot the ordered pair (3 , 6), travel six units to the right on the y-axis and three units up on the x-axis, from the origin.
- ☐ B. To plot the ordered pair (3 , 6), travel six units to the right on the x-axis and three units up on the y-axis, from the origin.
- ☐ C. To plot the ordered pair (3 , 6), travel three units to the right on the y-axis and six units up on the x-axis, from the origin.
- ☐ D. To plot the ordered pair (3 , 6), travel three units to the right on the x-axis and six units up on the y-axis, from the origin.

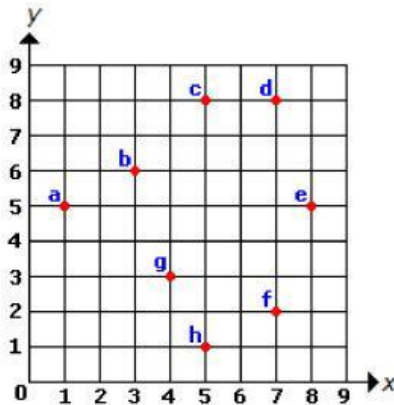
2. The graph shows some areas of an apartment.



Which of these is located at (3 , 7)?

- ☐ A. kitchen
  - ☐ B. sofa
  - ☐ C. stairs
  - ☐ D. television
-

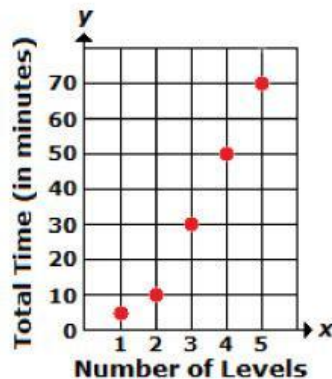
3.



What are the coordinates for point a?

- ☐ A. (8 , 5)
  - ☐ B. (5 , 1)
  - ☐ C. (5 , 8)
  - ☐ D. (1 , 5)
- 

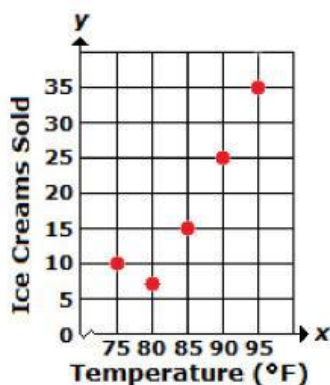
4. The graph below shows the total amount of time it took a student to build a toothpick tower.



What does point (4,50) represent?

- ☐ A. It took a total of 50 minutes to build the first four levels of the tower.
  - ☐ B. It took a total of 4 minutes to build the first four levels of the tower.
  - ☐ C. It took a total of 4 minutes to build the first fifty levels of the tower.
  - ☐ D. It took a total of 50 minutes to build the first fifty levels of the tower.
-

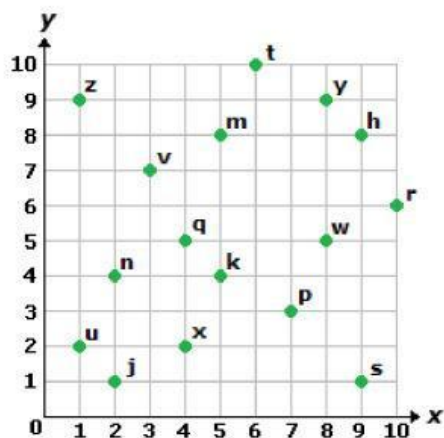
5. The graph below shows the sales of an ice cream vendor between 3 and 4 in the afternoon on different days and the average temperature during that hour.



What does point (85,15) represent?

- ☐ A. There were 85 ice creams sold when the temperature was 15°.
  - ☐ B. There were 15 ice creams sold when the temperature was 85°.
  - ☐ C. There were 85 ice creams sold when the temperature was 85°.
  - ☐ D. There were 15 ice creams sold when the temperature was 15°.
- 

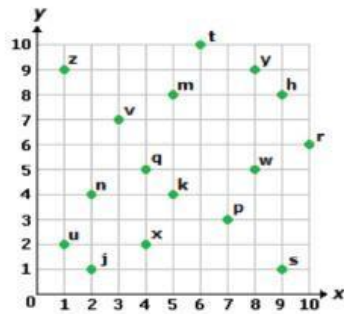
6. What are the coordinates for letter q?



- ☐ A. (4 , 5)
  - ☐ B. (5 , 5)
  - ☐ C. (4 , 4)
  - ☐ D. (5 , 4)
-

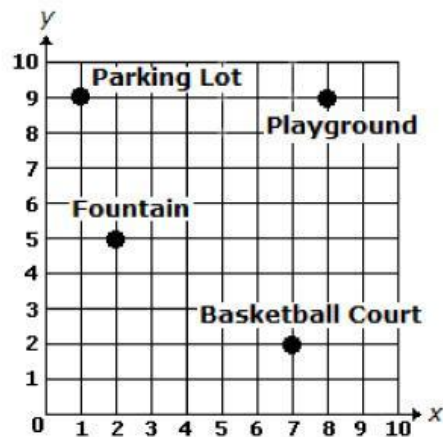
7.

Which letter is at point (6 , 10)?



- ☐ A. w
- ☐ B. r
- ☐ C. m
- ☐ D. t

8. The graph shows some areas of a local park.



Which ordered pair best represents the point on the graph labeled "Fountain"?

- ☐ A. (2 , 5)
- ☐ B. (4 , 6)
- ☐ C. (6 , 4)
- ☐ D. (5 , 2)

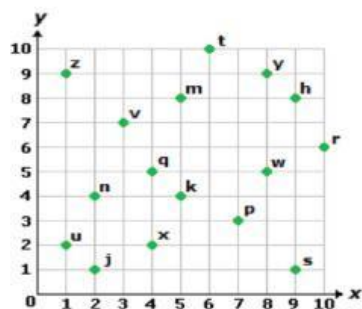
9. Which of the statements about the point (4 , 9) are true?

- I. The  $x$ -coordinate is 4.
- II. The  $y$ -coordinate is 4.
- III. The point is 4 units from the  $x$ -axis.
- IV. The point is 9 units from the  $x$ -axis.

- ☐ A. I and III
  - ☐ B. I and II
  - ☐ C. II and III
  - ☐ D. I and IV
- 

10.

What are the coordinates for letter v?



- ☐ A. (6 , 4)
- ☐ B. (7 , 3)
- ☐ C. (3 , 7)
- ☐ D. (4 , 6)

11.

Which statement is true about the ordered pair (3 , 4)?

- ☐ A. To plot the ordered pair (3 , 4), travel three units to the right on the x-axis and four units up on the y-axis, from the origin.
- ☐ B. To plot the ordered pair (3 , 4), travel four units to the right on the x-axis and three units up on the y-axis, from the origin.
- ☐ C. To plot the ordered pair (3 , 4), travel three units to the right on the y-axis and four units up on the x-axis, from the origin.
- ☐ D. To plot the ordered pair (3 , 4), travel four units to the right on the y-axis and three units up on the x-axis, from the origin.

Choose the correct answer.

A recipe requires 4 ounces of flour for every 2 ounces of water.

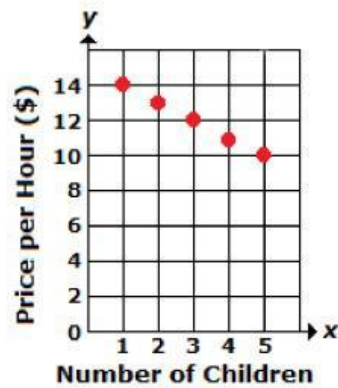
A baker uses 36 ounces of flour. How much water should the baker use?

- ☐ A) 72 ounces
- ☐ B) 34 ounces
- ☐ C) 24 ounces
- ☐ D) 18 ounces

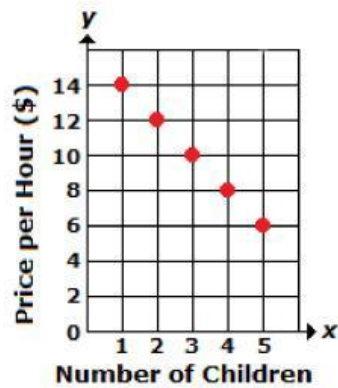
12. Rachael babysits children on the weekends at the rates shown in the table below.

Number of Children	1	2	3	4	5
Price per Hour (\$)	14	13	12	11	10

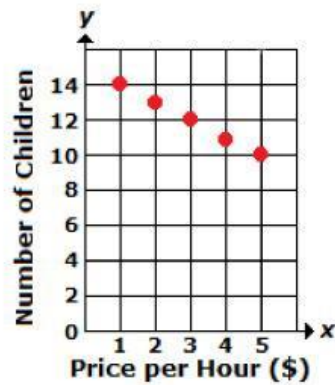
Which graph below represents the data in the table above?



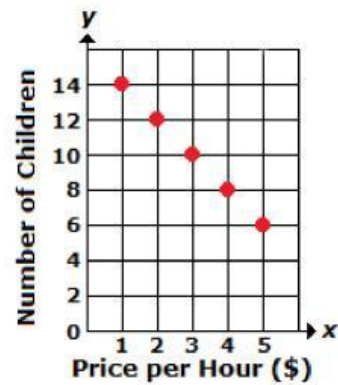
W.



X.



Y.



Z.

- ☐ A. X
- ☐ B. W
- ☐ C. Y
- ☐ D. Z

13

*Add 4 and 9. Then, multiply by 3.*

Which of the following expressions matches the statement above?

- ☐ A.  $3 \times (4 + 9)$
- ☐ B.  $4 \times (3 + 9)$
- ☐ C.  $9 + 4 \times 3$
- ☐ D.  $4 + 9 \times 3$

14

Use order of operations to evaluate the expression below.

$$\{18 + 8\} \times 9 + 3$$

- ☐ A. 231
- ☐ B. 93
- ☐ C. 237
- ☐ D. 92

15

*Subtract 4 from 8. Then, multiply by 2.*

Which of the following expressions matches the statement above?

- ☐ A.  $2 \times (4 - 8)$
- ☐ B.  $4 - 8 \times 2$
- ☐ C.  $8 - 4 \times 2$
- ☐ D.  $2 \times (8 - 4)$

16

Use the correct order of operations to solve the problem below.

$$50 \div 5 \times (9 - 7)$$

- ☐ A. 20
- ☐ B. 50
- ☐ C. 10
- ☐ D. 5

17

Use order of operations to evaluate the expression below.

$$[4 \times 6] \div 4 + 4 - 2$$

- ☐ A. 6
- ☐ B. 4
- ☐ C. 8
- ☐ D. 10

18

Choose the correct answer.

Pattern A starts at 0 and adds 3 to each term. Pattern B starts at 0 and adds 6 to each term.

Which describes the relationship between the corresponding terms in Patterns A and B?

- ☐ A) The terms in Pattern B are 2 times as much as the corresponding terms in Pattern A.
- ☐ B) The terms in Pattern B are 3 times as much as the corresponding terms in Pattern A.
- ☐ C) The terms in Pattern B are 6 times as much as the corresponding terms in Pattern A.
- ☐ D) The terms in Pattern B are 18 times as much as the corresponding terms in Pattern A.

19

Choose the correct answer.

Pattern A starts at 0 and adds 3 to each term. Pattern B starts at 0 and adds 6 to each term.

When the term in Pattern B is 60, what is the corresponding term in Pattern A?

- ☐ A) 10
- ☐ B) 20
- ☐ C) 30
- ☐ D) 120

20.

Choose the correct answer.

Darryl and Lena paint ceramic animals. On the first day, they paint 0 animals. Each day after the first day, Darryl paints 2 more animals than he did the previous day. Lena paints 4 more animals than she did the previous day.

What is the relationship between corresponding terms in the two numerical patterns?

- ☐ A) Multiply the number in Lena's pattern by 2. The product is the number in Darryl's pattern.
- ☐ B) Multiply the number in Darryl's pattern by 2. The product is the number in Lena's pattern.
- ☐ C) Add 2 to Darryl's pattern. The sum is the number in Lena's pattern.
- ☐ D) Add 2 to Lena's pattern. The sum is the number in Darryl's pattern.