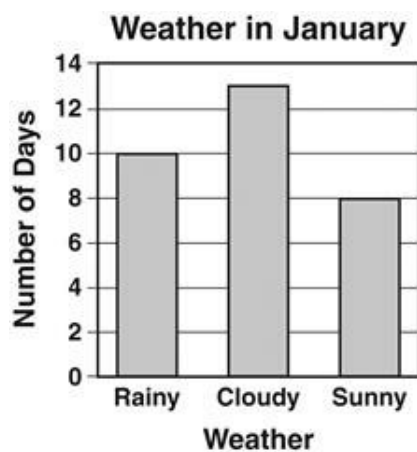


TEST NAME: **EOG Review - Time, Graphs & Metric**  
TEST ID: **1696624**  
GRADE: **03 - Third Grade**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_  
Class: \_\_\_\_\_  
Date: \_\_\_\_\_

1. The graph shows the weather for days in the month of January.



Based on the data in the graph, which statement is true?

- A. There were fewer cloudy days than rainy days.
  - B. There were fewer rainy days than sunny days.
  - C. There were more sunny days than cloudy days.
  - D. There were more cloudy days and rainy days than cloudy days and sunny days.
2. When school begins in the morning, the clock looks like this.



What time does school begin?

- A. 8:15 p.m.
- B. 9:15 p.m.
- C. 8:15 a.m.
- D. 9:15 a.m.

3. Allison started her music lesson at 6:40. She practiced for 1 hour and 10 minutes. Which clock shows the time when Allison finished her music lesson?

A.



B.



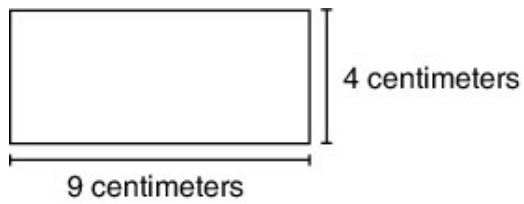
C.



D.



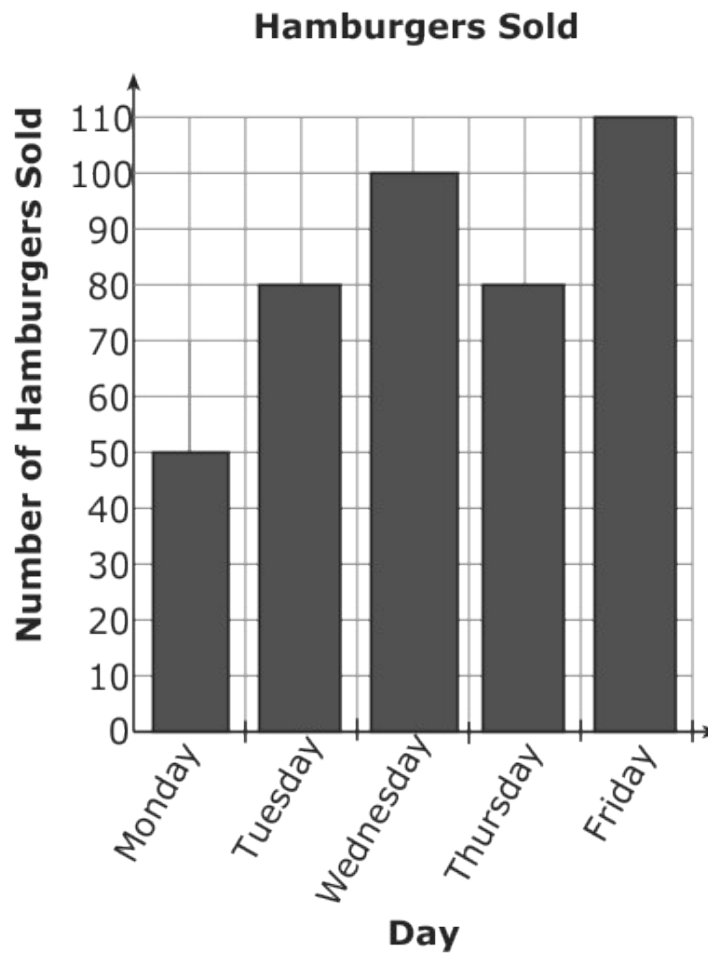
4. Look at the rectangle below.



What is the area of the rectangle?

- A. 13 square centimeters
- B. 26 square centimeters
- C. 30 square centimeters
- D. 36 square centimeters

5. The bar graph below shows the number of hamburgers sold at Bob's Burger Shack.



On which days were more than 80 hamburgers sold?

- A. Wednesday and Friday
- B. Tuesday and Thursday
- C. Monday, Tuesday, and Thursday
- D. Tuesday, Wednesday, Thursday, and Friday

6. How many more square inches is Figure 1 than Figure 2?

Figure 1

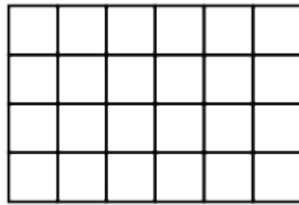
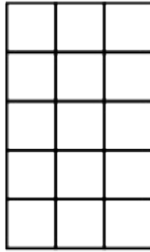
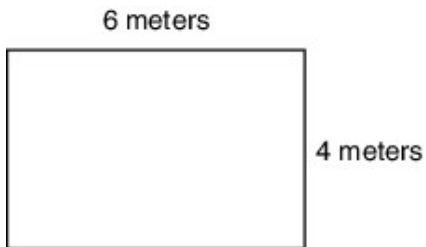


Figure 2



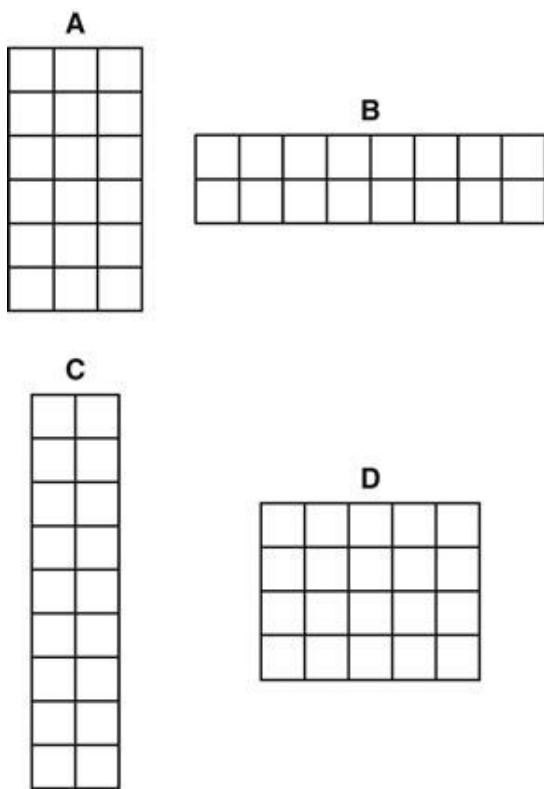
- A. 9 square inches
  - B. 15 square inches
  - C. 24 square inches
  - D. 39 square inches
7. Morgan's bedroom is shaped like a rectangle. It is 4 meters wide and 6 meters long, as shown below.



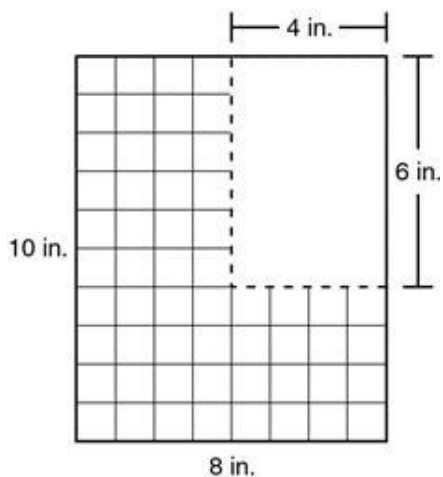
What is the area of Morgan's bedroom?

- A. 10 square meters
- B. 20 square meters
- C. 24 square meters
- D. 28 square meters

8. Which rectangles below have the same perimeter?



- A. C and A only  
B. D and B only  
C. D and C only  
D. A and D only
9. Kendra had a rectangular sheet of wrapping paper that was 10 inches long and 8 inches wide. She cut out a rectangular piece that was 6 inches long and 4 inches wide.



Kendra wants to know the area of the wrapping paper she has left. Exactly how many square inches of wrapping paper are left of the sheet of paper Kendra started with?

- A. 24  
B. 56  
C. 80  
D. 104

10. Which best represents the time shown on the digital clock?



A.



B.



C.



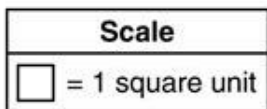
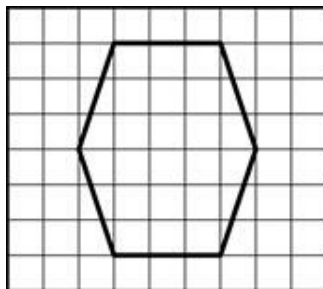
D.



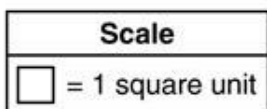
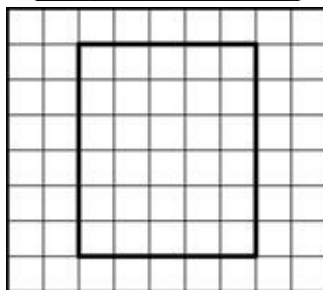


11. Which figure has an area closest to 24 square units?

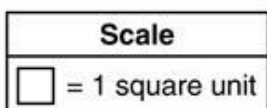
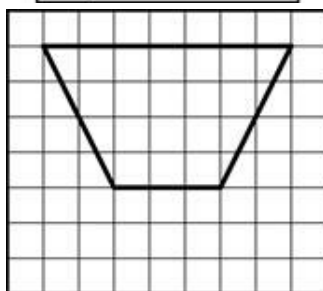
A.



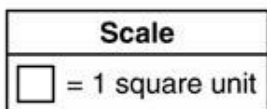
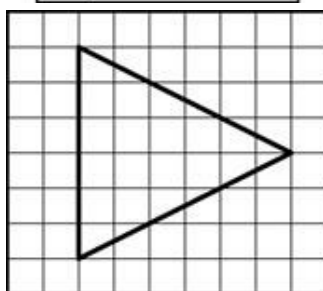
B.



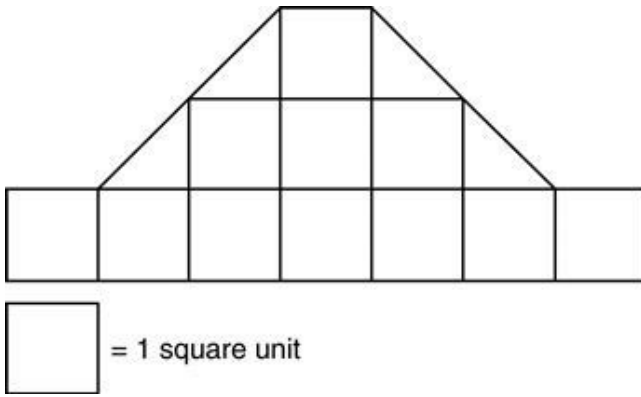
C.



D.



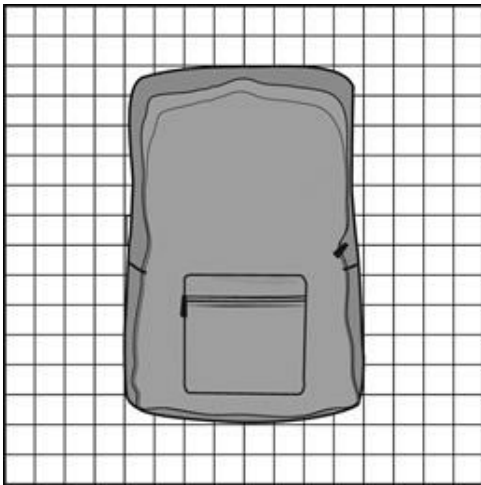
12. Rita drew the figure shown below.



What is the area, in square units, of the figure?

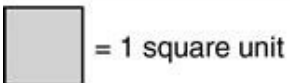
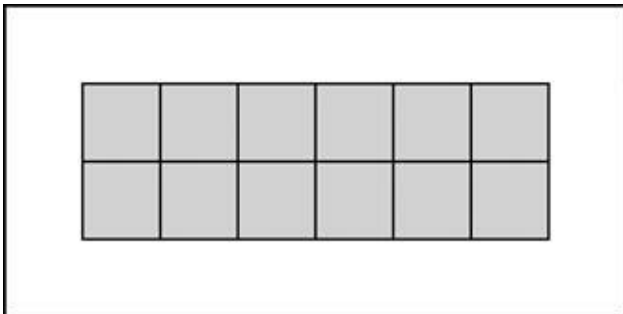
- A. 7
  - B. 11
  - C. 13
  - D. 15
13. A paper clip has a mass of about 1 gram. Which has a mass of about the same as one paper clip?
- A. a potato
  - B. a bottle of water
  - C. an orange
  - D. a packet of sugar
14. Tom measured the area of a garden. Which measurement could be the area of that garden?
- A. 48 cubic inches
  - B. 48 square feet
  - C. 48 degrees
  - D. 48 gallons

15. The front view of Linda's backpack is shown below.



Which is closest to the difference between the area of the front view of the backpack and the area of the pocket shown on the backpack?

- A. 80 square units
  - B. 88 square units
  - C. 96 square units
  - D. 112 square units
16. The shaded area of the rectangle shown below is covered by 12 unit squares without gaps or overlaps. The shaded area is 12 square units.

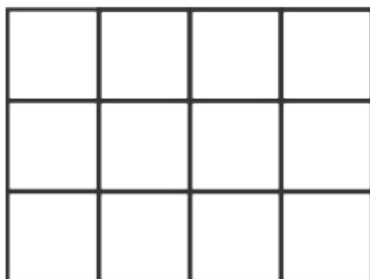


If the unshaded area is also covered without gaps or overlaps by unit squares, what is the area of the entire rectangle?

- A. 12 square units
- B. 20 square units
- C. 21 square units
- D. 32 square units

17. Sue's garden is shown below.

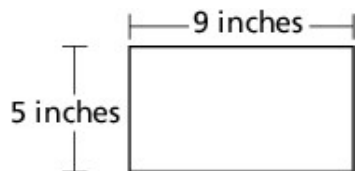
**Sue's Garden**



What is the area of her garden?

- A. 7 square units
  - B. 12 square units
  - C. 14 square units
  - D. 24 square units
18. Joe has to build a pen for his new goat. He has a rectangular space that is 8 yards by 7 yards. How many yards of fencing will he need?
- A. 15 yards
  - B. 30 yards
  - C. 56 yards
  - D. 112 yards

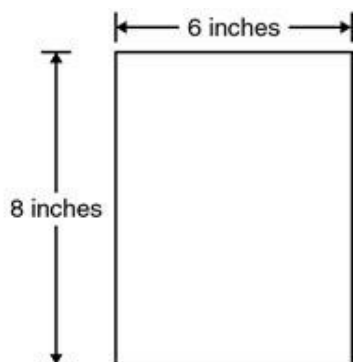
19. Look at this rectangle.



What is the area of the rectangle?

- A. 14 square inches
- B. 28 square inches
- C. 45 square inches
- D. 54 square inches

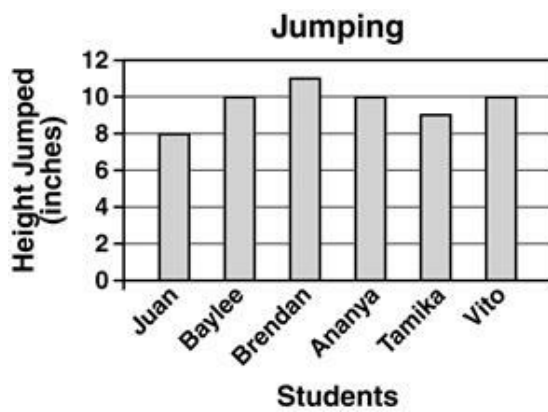
20. The drawing below shows the length and width of a rectangle.



What is the area of this rectangle?

- A. 14 square inches
- B. 28 square inches
- C. 44 square inches
- D. 48 square inches

21. In a gym class, students measured how high they could jump. The results are displayed on the following graph.



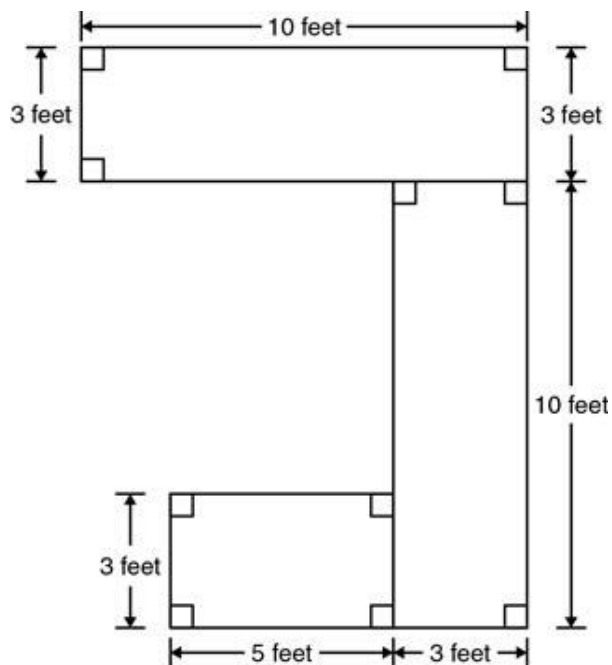
What height did most students jump?

- A. 8 inches
  - B. 9 inches
  - C. 10 inches
  - D. 11 inches
22. What time is shown on the clock?



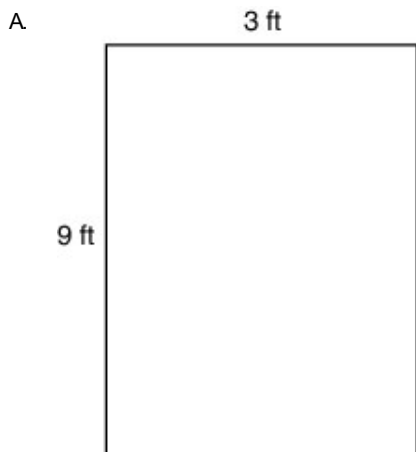
- A. 7:35
- B. 8:41
- C. 9:33
- D. 10:47

23. Mr. Matthews is paying to have a new counter top installed in his kitchen. The cost is based on the total area of the counter top. The model below shows the dimensions of the counter top.

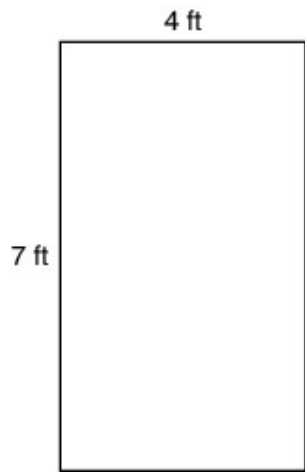


What is the total area of the counter top?

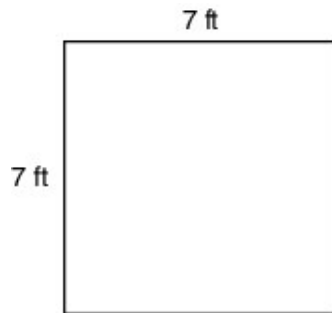
- A. 30 square feet  
B. 37 square feet  
C. 68 square feet  
D. 75 square feet
24. Mr. Ming plans to put a fence around his rectangular garden. The garden measures 12 feet by 10 feet. What is the minimum number of feet of fencing that Mr. Ming will need?
- A. 22  
B. 44  
C. 60  
D. 120
25. Kelli made a quilt out of 28 fabric squares. Each square measures 1 foot by 1 foot. Which model could show Kelli's quilt?



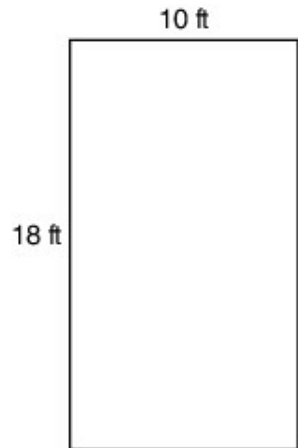
B.



C.



D.



26. Gonzalez has a water bottle on his desk. How much water is ***most likely*** in his bottle?

- A. 2 liters
- B. 2 kiloliters
- C. 2 milliliters



27. Leigh gets up at 6:15 a.m. She eats breakfast at 7:20 a.m. How long is it after Leigh gets up before she eats breakfast?
- A. 55 minutes
  - B. 60 minutes
  - C. 65 minutes
  - D. 70 minutes

28. Shari drew two rectangles with the same perimeter, but different areas. Which could be her two rectangles?

A.



B.

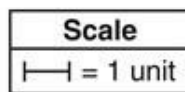
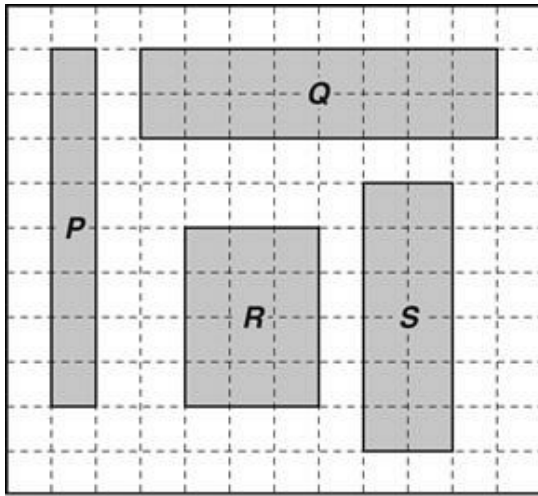


C.



29. Bryan played video games for 45 minutes. He finished playing at 2:25 p.m. What time did he start playing?
- A. 1:00 p.m.
  - B. 1:15 p.m.
  - C. 1:40 p.m.
  - D. 3:10 p.m.

30. Four rectangles are drawn on the grid below.

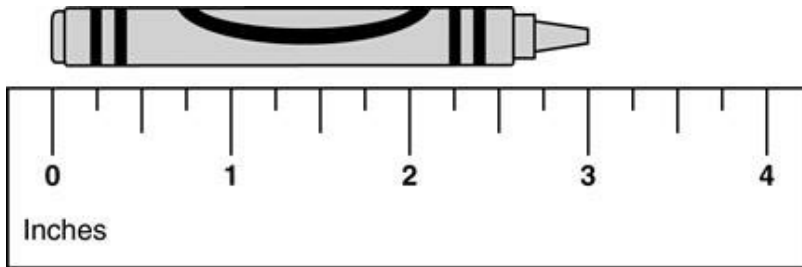


Which rectangle has a perimeter of 16 units?

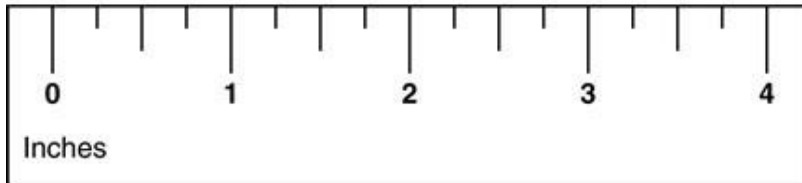
- A. Rectangle *P*
- B. Rectangle *Q*
- C. Rectangle *R*
- D. Rectangle *S*

31. Which crayon is closest to  $3\frac{1}{4}$  inches long?

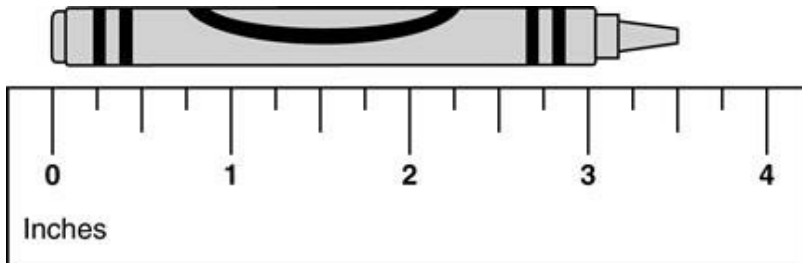
A.



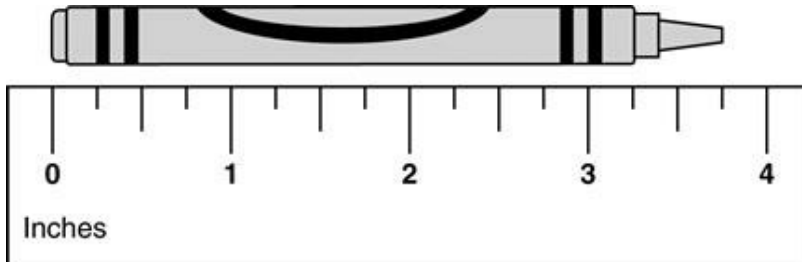
B.



C.



D.



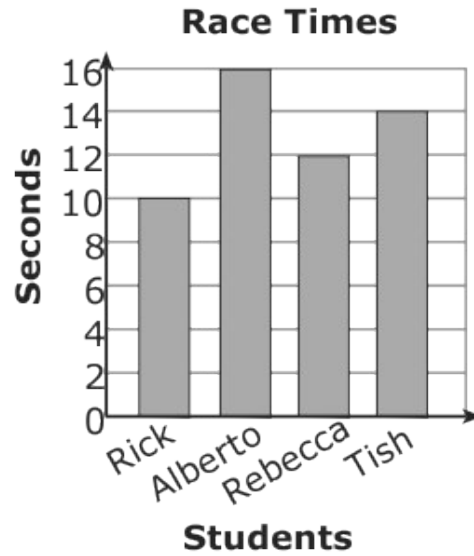
32. Which of the following could be represented by 80 square feet?

- A. the area of a rug
- B. the length of a house
- C. the volume of a storage unit
- D. the perimeter of a living room

33. The area of the front of a milk carton is 20 square inches. Which could be the length and width of the milk carton?

- A. 5 inches and 4 inches
- B. 10 inches and 4 inches
- C. 10 inches and 10 inches
- D. 20 inches and 2 inches

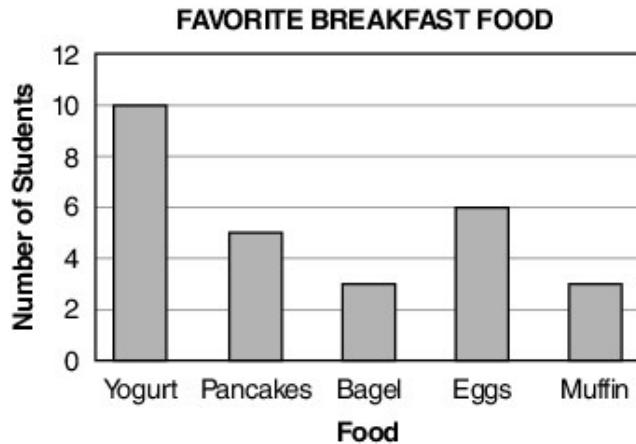
34. The bar graph below shows the race times of four students.



Which two students ran the **fastest** races?

- A. Rick and Alberto
- B. Rebecca and Alberto
- C. Rick and Rebecca
- D. Rebecca and Tish

35. Some third grade students were asked to choose their favorite food for breakfast. The bar graph below shows their answers.

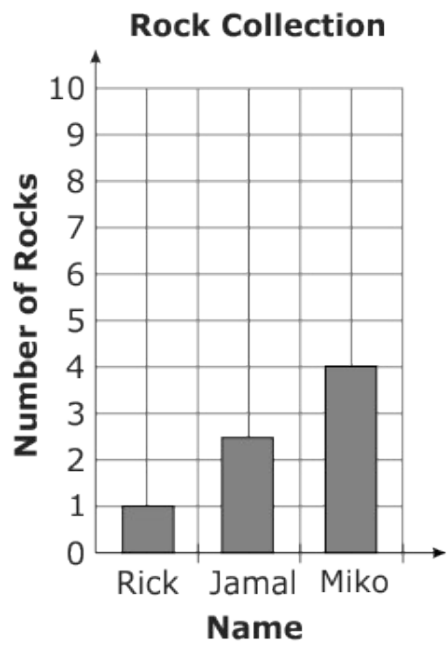


How many more students chose yogurt than chose eggs as their favorite food?

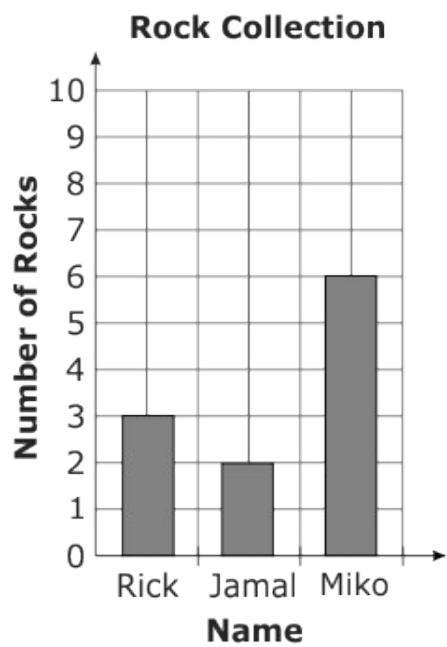
- A. 2
  - B. 4
  - C. 6
  - D. 10
36. Rick, Jamal, and Miko found rocks when they went hiking.
- Rick found six rocks.
  - Jamal found seven rocks.
  - Miko found eight rocks.

Which graph shows the total number of rocks each person found?

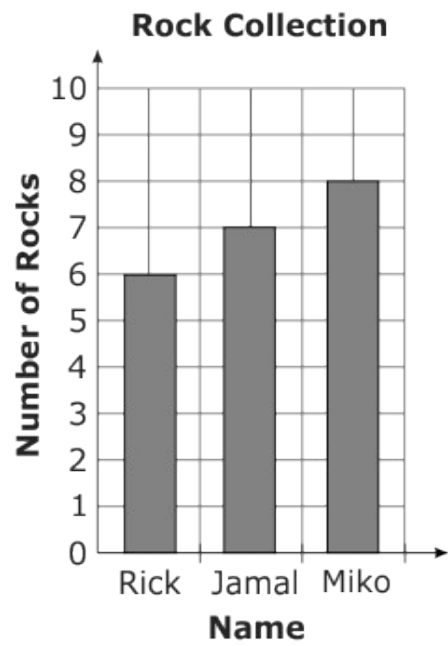
A.



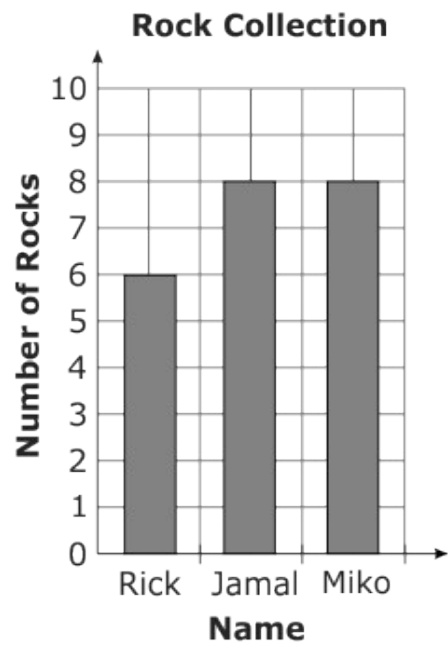
B.



C.

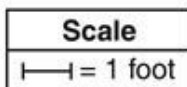
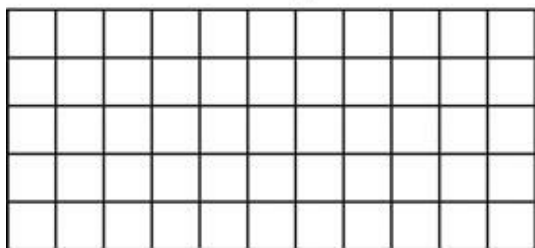


D.



37. The grid below represents a tumbling mat.

**Tumbling Mat**

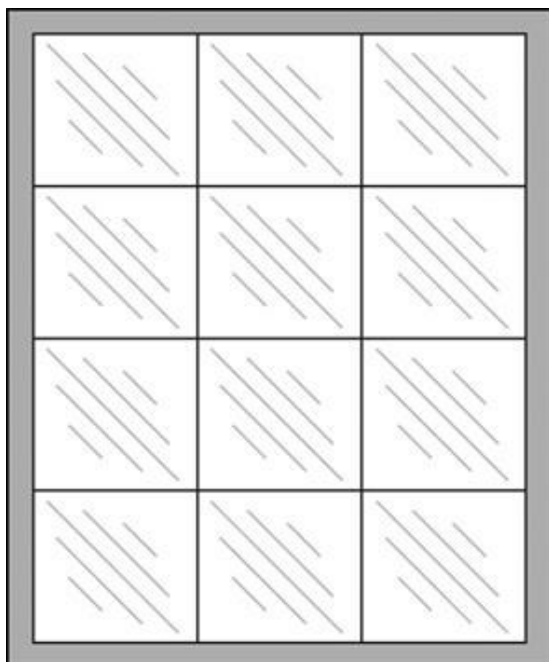


Perimeter = distance around a figure

What is the perimeter of the tumbling mat in feet?

- A. 55 feet
- B. 32 feet
- C. 16 feet
- D. 5 feet

38. Each glass pane in this window measures 1 foot high by 1 foot wide.

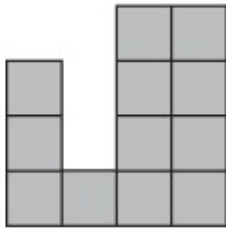


What is the area of all of the glass in this window?

- A. 1 square foot
- B. 4 square feet
- C. 9 square feet
- D. 12 square feet



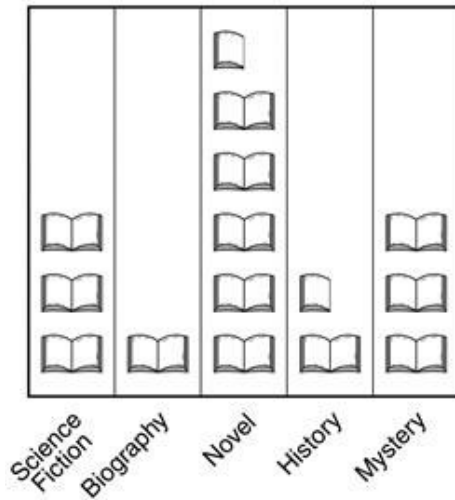
39. A woman is making a flower patterned quilt. Each flower is the shape of a hexagon with a perimeter of 48 centimeters. Each side of the flower is the same length. How long is each side of the flower?
- A. 6 centimeters
  - B. 7 centimeters
  - C. 8 centimeters
  - D. 9 centimeters
40. A plane figure is made of unit squares.




Which measure is the area of the plane figure?

- A. 11 square units
  - B. 12 square units
  - C. 16 square units
  - D. 20 square units
41. The students in Mrs. Frost's class recorded in the graph the number of different types of books they read.

## Books Read



KEY	
	= 10 books

### Type of Book

Which table displays this information correctly?

A. **Books Read**

Type of Book	Number Read
Science Fiction	3
Biography	1
Novel	6
History	2
Mystery	3

B. **Books Read**

Type of Book	Number Read
Science Fiction	3
Biography	1
Novel	5.5
History	1.5
Mystery	3

C. **Books Read**

Type of Book	Number Read
Science Fiction	30
Biography	10
Novel	60
History	15
Mystery	30

D. **Books Read**

Type of Book	Number Read
Science Fiction	30
Biography	10
Novel	55
History	15
Mystery	30

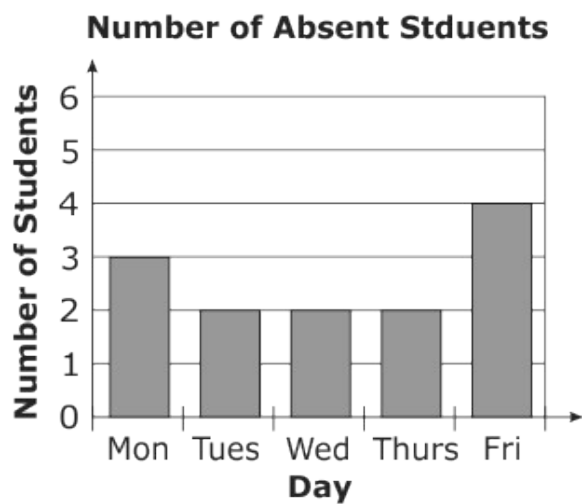
42. Mr. Hiltz recorded the number of students absent each day last week.

**Number of Absent Students**

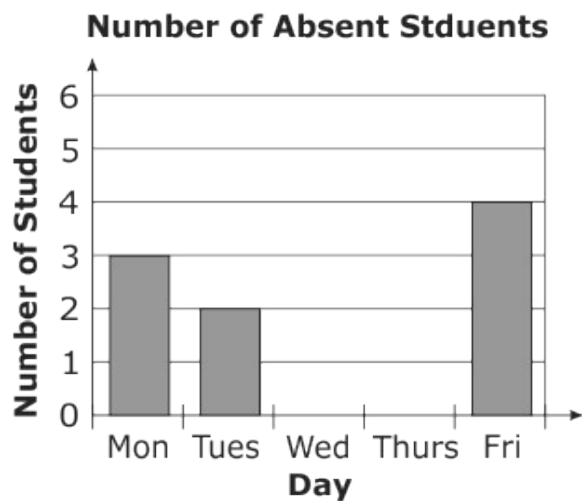
Monday	3
Tuesday	2
Wednesday	0
Thursday	0
Friday	4

Which graph correctly shows the results?

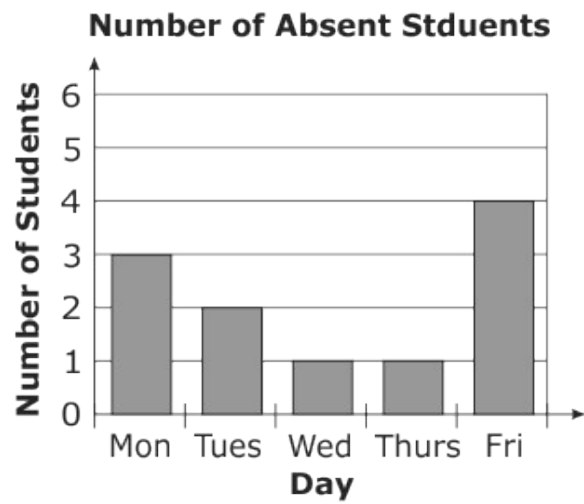
A.



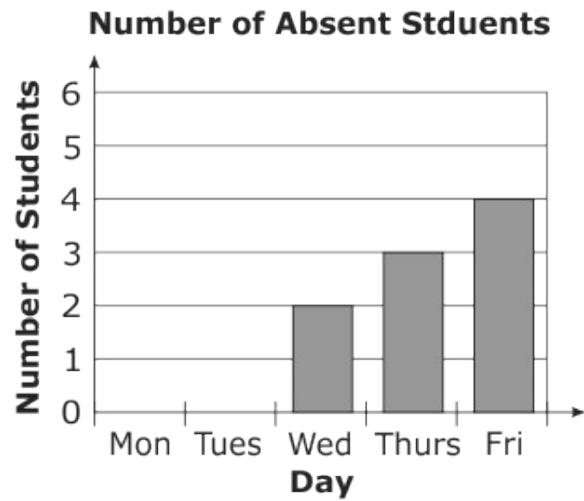
B.



C.

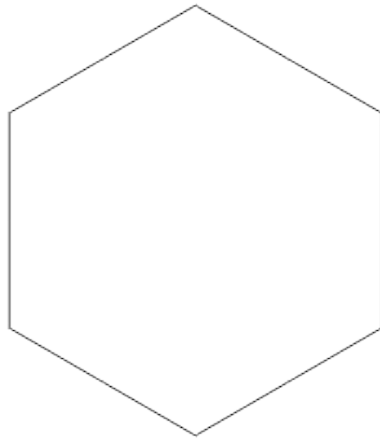


D.



43.

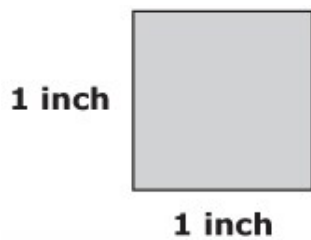
Jen used triangle-shaped tiles to border the outside of her bathroom mirror, as shown below. Each side of a tile measures one inch. Each side of the mirror measures 6 inches.



How many one-inch tiles did Jen buy to border her mirror?

- A. 6
- B. 18
- C. 30
- D. 36

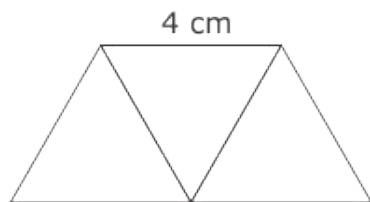
44. Each side of a shape has a length of 1 inch.



What is the area of the shape?

- A. 2 inches
- B. 2 square inches
- C. 1 inch
- D. 1 square inch

45. The polygon below is made of three triangles. The length of each side of each triangle is 4 cm.



What is the perimeter of the polygon?

- A. 16 cm
- B. 20 cm
- C. 24 cm
- D. 36 cm