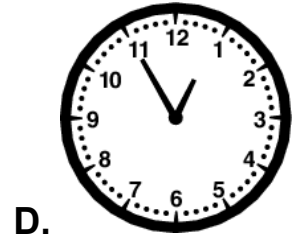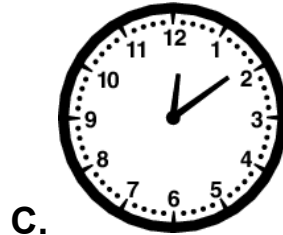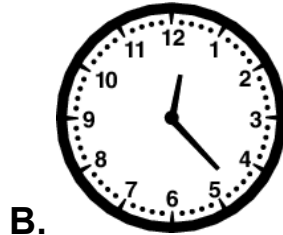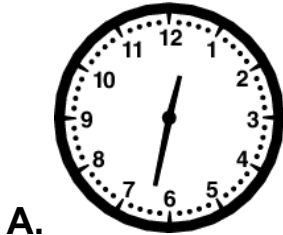**Name** _____ **Date** _____

1. Shawn started working on a puzzle at 12:32 p.m. He finished after 23 minutes. Which clock shows the time Shawn finished the puzzle?

A.   **B.**   **C.**   **D.**

_____

2. Arnold visited his grandmother from 1:00 p.m. until 2:15 p.m. How long was Arnold's visit?

A. 45 minutes   **B.** 60 minutes   **C.** 75 minutes   **D.** 115 minutes

_____

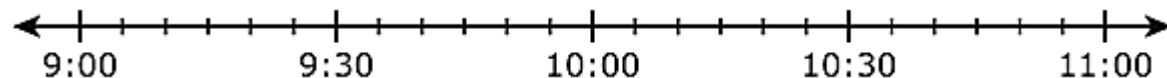**3. Jasmine looks at a clock when she arrives at school. What time is shown on the clock that Jasmine looks at?**

A. seventeen minutes before nine

B. seventeen minutes after nine

C. seven minutes after eight

D. seventeen minutes after eight

_____

4. On the timeline below, each space between the marks represents 5-minute intervals.

Lu Ming starts practicing the piano at 9:15 a.m. She practices for 45 minutes. At what time will Lu Ming finish practicing the piano?
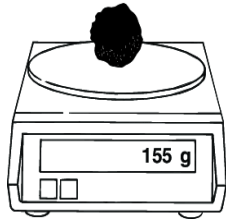
A. 9:30 a.m.   **B.** 9:45 a.m.   **C.** 10:00 a.m.   **D.** 10:15 a.m.

5. Art has two rocks. He weighs the first rock in grams (g), as shown on this scale. If the second rock weighs 25 grams more than the first rock, how much does the second rock weigh?
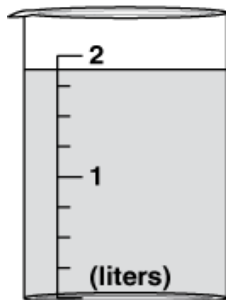
155 g

A. 130 grams

B. 155 grams

C. 170 grams

D. 180 grams

---

6. Monica has two boxes to ship. One box has a mass of 58 kilograms. The mass of the second box is 19 kilograms less than the mass of the first box. What is the mass, in kilograms, of the second box?
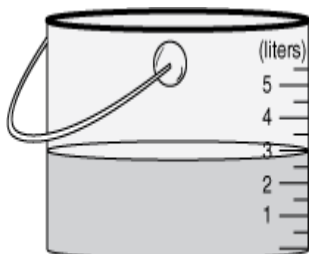
A. 39 kilograms   **B.** 41 kilograms   **C.** 49 kilograms   **D.** 77 kilograms

---

7. Jason needs 7 equal beakers of water for a science experiment. The picture below shows one of the beakers. About how much water does Jason need all together?
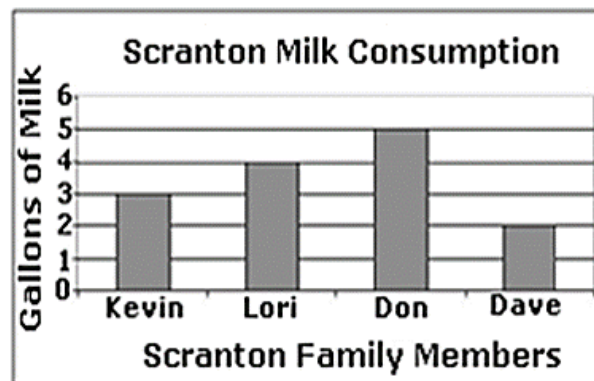
2
1
(liters)

A. 2 liters

B. 7 liters

C. 12 liters

D. 14 liters

---

8. The picture below shows the amount of water in Mr. Mitchell's bucket. He needs a total of 8 liters of water for his animals. How many more liters of water does Mr. Mitchell need?

(liters)
5
4
3
2
1

A. 2 liters

B. 3 liters

C. 5 liters

D. 11 liters

9. Use the graph to answer the following question(s). Every month, the Scranton family drinks 14 gallons of milk. The graph shows how many gallons each family member drinks per month.

Scranton Milk Consumption

A bar graph titled "Scranton Milk Consumption" with y-axis "Gallons of Milk" (0–6) and x-axis "Scranton Family Members": Kevin = 3, Lori = 4, Don = 5, Dave = 2.

Select the two statements that are true about the data?

A. Kevin and Dave consume a total of 8 gallons of milk per month combined.

B. Dave consumes the least amount of milk per month.

C. Don consume 2 more gallons of milk per month than Dave.

D. Kevin and Don consume 2 more gallons of milk per month than Lori and Dave combined.

E. Lori consumes the most amount of milk in the family.

_____

10. Nancy created a pictograph to show how students spend their time after school. What key should Nancy use for her pictograph?

After School Activities

Activity	Votes
Play Outside	25
Play Videos	15
Watch TV	30
Read Books	10

After School Activities

Activity	Number of Students
Play Outside	(5 figures)
Play videos	(3 figures)
Watch TV	(6 figures)
Read books	(2 figures)

KEY

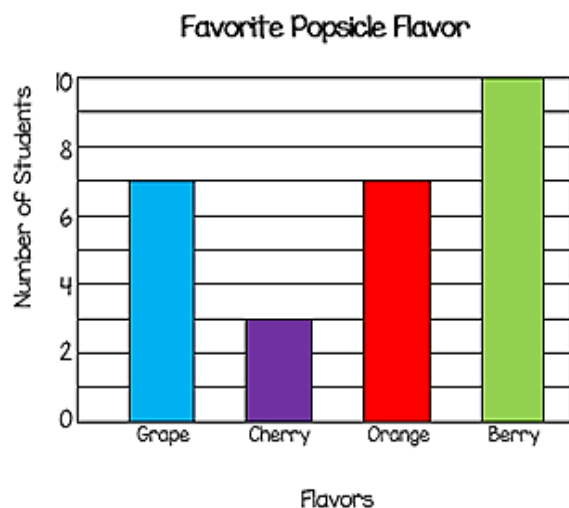(figure) = _____ Students

A. 2 students   **B.** 3 students   **C.** 4 students   **D.** 5 students
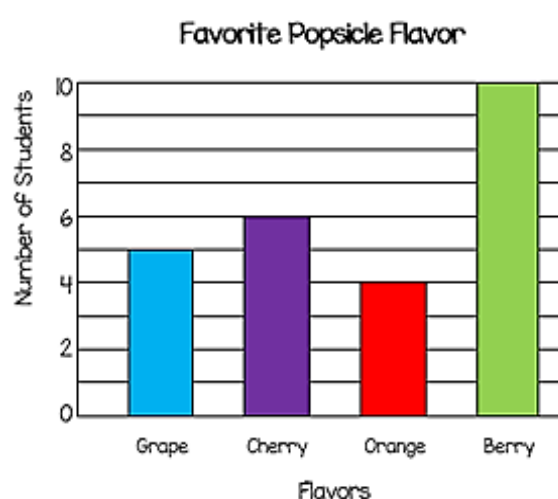
11. The table shows the data of some students' favorite popsicle flavor. Bar graphs were created to represent the data. Choose the bar graph that represents the data.

Favorite Popsicle Flavor	
Flavor	Number of Students
Grape	5
Cherry	6
Orange	4
Berry	10

A.

Favorite Popsicle Flavor

C.

Favorite Popsicle Flavor

B.
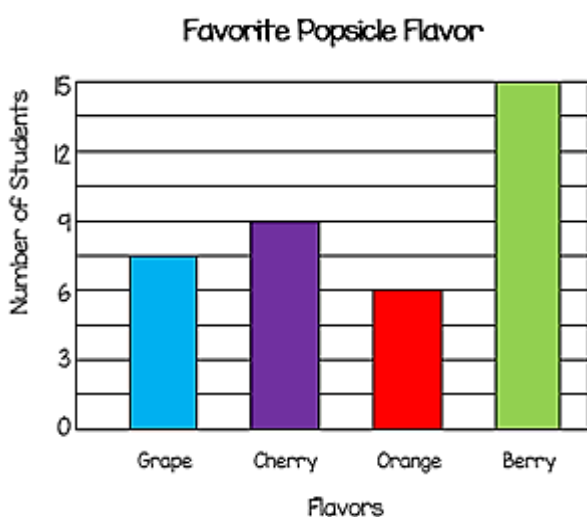
Favorite Popsicle Flavor

D.

Favorite Popsicle Flavor

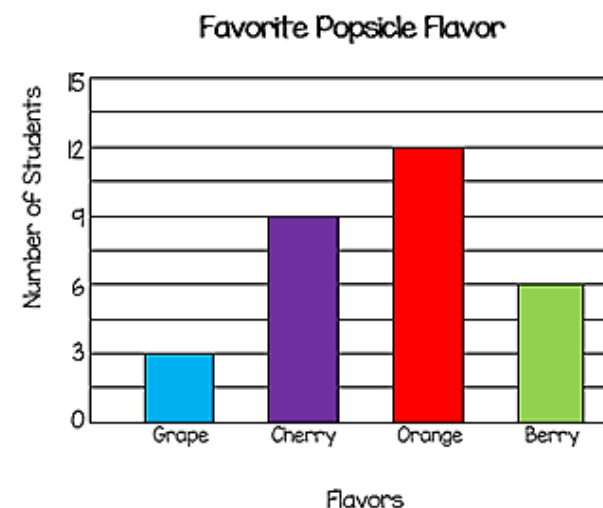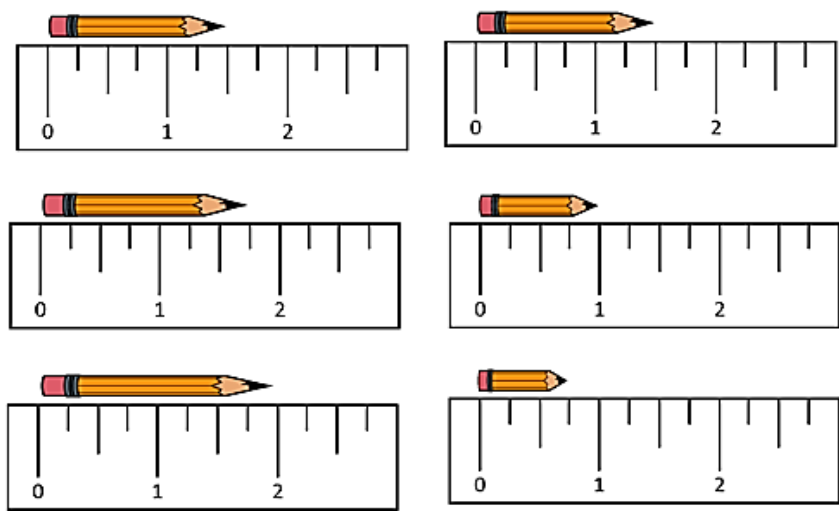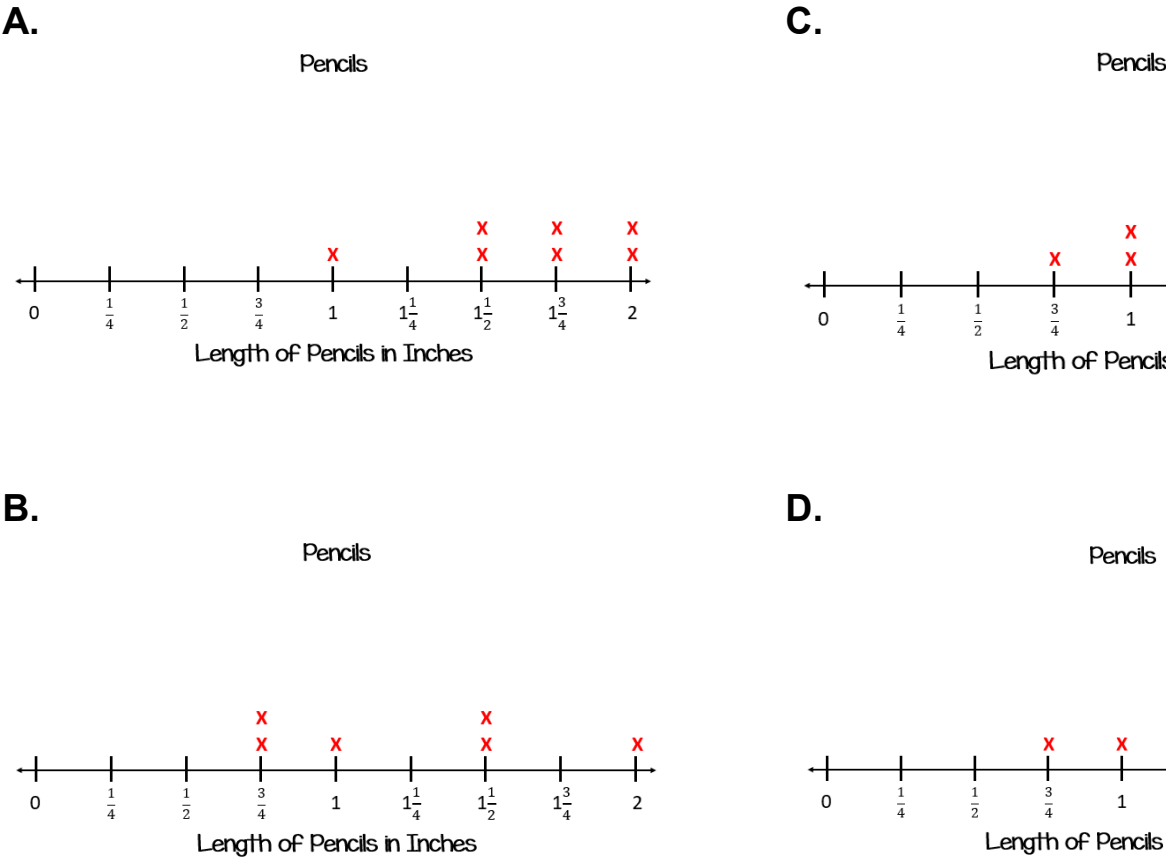**12. Lilibeth measured the length of four pencils in her pencil pouch.**

Which line plot below shows Lilibeth's pencil measurements?

A.

Pencils

$$0 \quad \frac{1}{4} \quad \frac{1}{2} \quad \frac{3}{4} \quad 1 \quad 1\frac{1}{4} \quad 1\frac{1}{2} \quad 1\frac{3}{4} \quad 2$$

Length of Pencils in Inches

C.

Pencils

$$0 \quad \frac{1}{4} \quad \frac{1}{2} \quad \frac{3}{4} \quad 1 \quad 1\frac{1}{4} \quad 1\frac{1}{2} \quad 1\frac{3}{4} \quad 2$$

Length of Pencils in Inches

B.

Pencils

$$0 \quad \frac{1}{4} \quad \frac{1}{2} \quad \frac{3}{4} \quad 1 \quad 1\frac{1}{4} \quad 1\frac{1}{2} \quad 1\frac{3}{4} \quad 2$$

Length of Pencils in Inches

D.

Pencils

$$0 \quad \frac{1}{4} \quad \frac{1}{2} \quad \frac{3}{4} \quad 1 \quad 1\frac{1}{4} \quad 1\frac{1}{2} \quad 1\frac{3}{4} \quad 2$$

Length of Pencils in Inches

5

13. What is the length of this pencil to the nearest half inch?
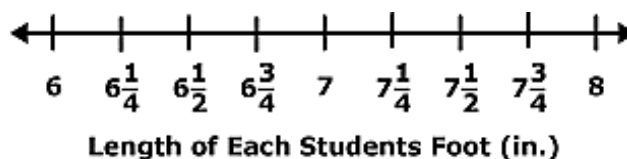

A. 3 inches

B. $3\frac{1}{2}$ inches

C. $3\frac{3}{4}$ inches

D. 4 inches

_____

14. Mrs. Carter measured each of her students' feet in inches. Below is a table of her findings.

Student	Length of Each Student's Foot (in.)
1	8
2	$7\frac{1}{2}$
3	$7\frac{1}{2}$
4	$7\frac{1}{2}$
5	$6\frac{3}{4}$
6	$6\frac{3}{4}$
7	$7\frac{3}{4}$
8	$7\frac{3}{4}$
9	7
10	7

Length of Each Students Foot (in.)

Mrs. Carter used the number line above to plot the measurements of her students' feet. Which TWO statements about the line plot are correct?

A. The foot measurement with the least marks is $7\frac{3}{4}$ inches.

B. The foot measurements with the most marks is $6\frac{1}{2}$ inches.

C. The foot measurement with the most marks is 7 inches.

D. The foot measurement with the least amount of marks is 8 inches.

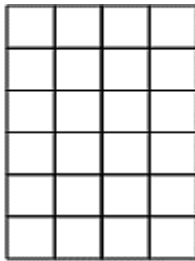**E.** The foot measurement with the most amount of marks is $7\frac{1}{2}$ inches.

15. What is the area of the figure below?

A. 12 square units

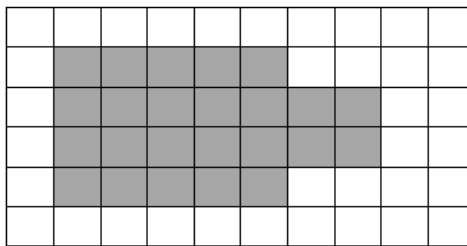B. 16 square units

C. 18 square units

D. 24 square units

---

16. Look at the model below. What is the area of the model?

= 1 Square Inch

A. 10 square inches

B. 16 square inches

C. 20 square inches

D. 24 square inches

---

17. Braden wants to find the area of the shaded part of the shape below. Which of these is a way Braden can find the area of the shaded part?
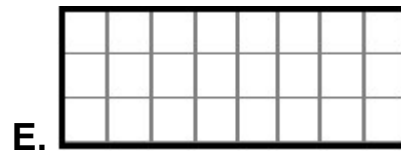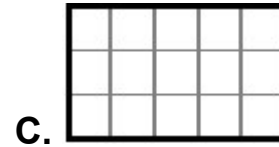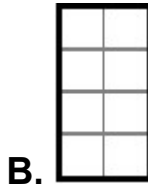
= 1 square inch

A. count all the unit squares in the shape

B. count the unit squares that are shaded

C. add the length and the width of the shaded part

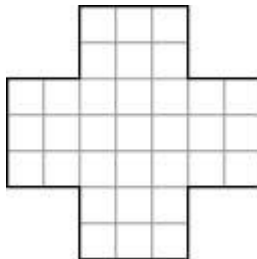D. multiply the length and the width of the shaded part

18. Eric has enough flower seeds to cover 8 square feet of soil in his garden. The square below is one square foot.

☐ = 1 square foot

Which of the following diagrams show(s) a garden with an area of 8 square feet? Select ALL that are correct.
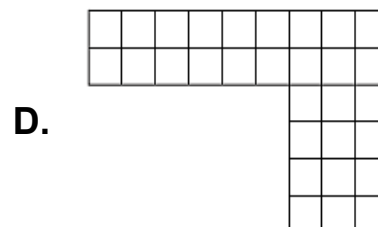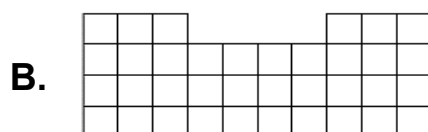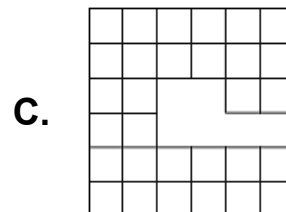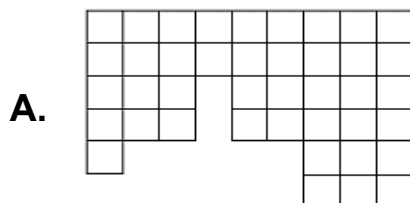
A.

B.

C.

D.

E.

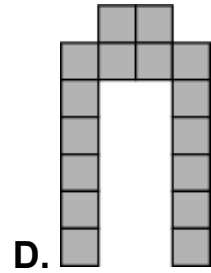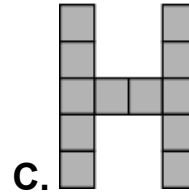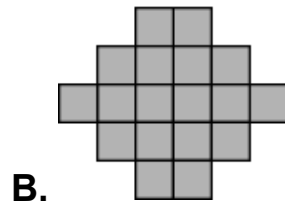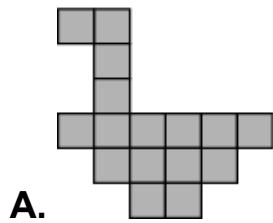19. Jason is drawing this shape on a piece of grid paper. What is the area of this shape in square units?

A. 49 square units

B. 28 square units

C. 23 square units

D. 33 square units

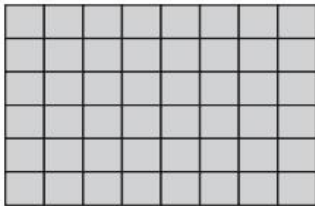---

20. Which figure below has an area of 36 square units?

KEY
☐ = 1 square unit

A.

B.

C.

D.

8

21. In art class, students used square tiles to make figures. Which figure has the largest area?

A.   **B.**   **C.**   **D.**

---

22. The drawing shows Erik's plan for a dog run. Each unit square is 1 square foot. Which equation can Erik use to find the area of the dog run?

A. 6 + 8 + 6 + 8 = 28

B. 6 × 8 = 48

C. 6 × 6 = 36

D. 8 × 8 = 64

---

23. Brady is placing square tiles on the floor of the kitchen. Each unit square is 1 square foot. Which equations can Brady use to find the area of the kitchen floor? Select all that apply.
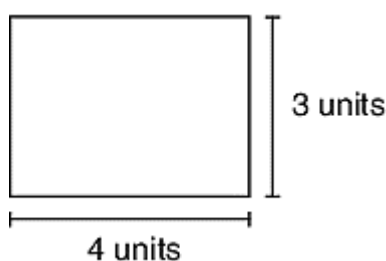

A. 4 × 6 = 24

B. 4 + 4 + 4 + 4 + 4 = 20

C. 4 + 6 + 4 + 6 = 20

D. 6 + 6 + 6 + 6 = 24

E. 4 × 5 = 20

F. 6 × 4 = 24

---

24. Carly drew the rectangle shown. Which expression has a value equal to the area of Carly's rectangle?

3 units

4 units

A. $3 + 4$

B. $3 + 4 + 3 + 4$

C. 3×4

D. $(2 \times 3) + (2 \times 4)$

25. The model below shows the bottom of Paul's hamster cage. He will cover the bottom of the cage with paper. How can Paul find the area he will cover with paper?
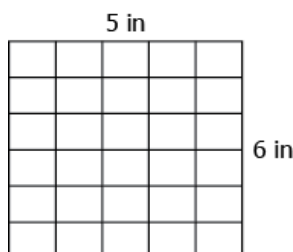
8 inches

9 inches

A. add 8 and 9

B. divide 9 by 8

C. multiply 8 and 9

D. subtract 8 from 9

---

26. Lyle cut a piece of cloth in the shape of a rectangle 9 inches long and 2 inches wide. Zoe cut a piece of cloth in the shape of a rectangle with the same area as Lyle's but with a different length and width. What could have been the measurements of Zoe's rectangle?
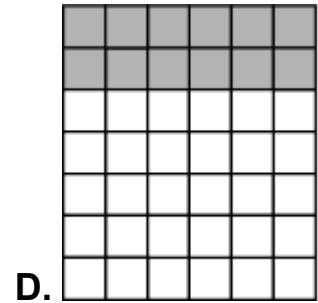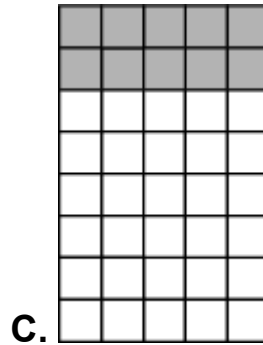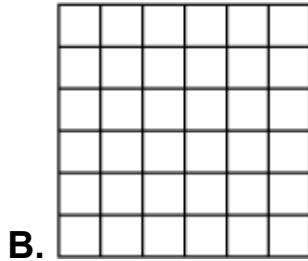
A. 3 inches long by 6 inches wide

B. 3 inches long by 8 inches wide

C. 4 inches long by 5 inches wide

D. 11 inches long by 2 inches wide

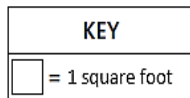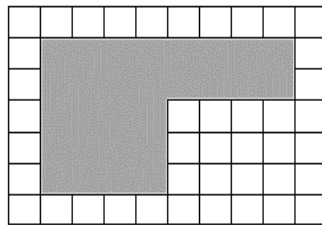**27.** Look at the rectangle. Select the expressions that can be used to find the area of the rectangle.

5 in

6 in

A. $(3 \times 5) + (3 \times 5)$

B. $(3 \times 5) + (2 \times 5)$

C. $(3 \times 3) + (2 \times 2)$

D. $(6 \times 3) + (6 \times 3)$

E. $(6 \times 3) + (6 \times 2)$

28. Which model BEST shows that $(2 \times 6) + (5 \times 6)$ is equal to 7×6 ?

A.

B.

C.

D.

---

29. Pedro wants to buy bags of soil to put in his mother's garden. What is the area of the garden?
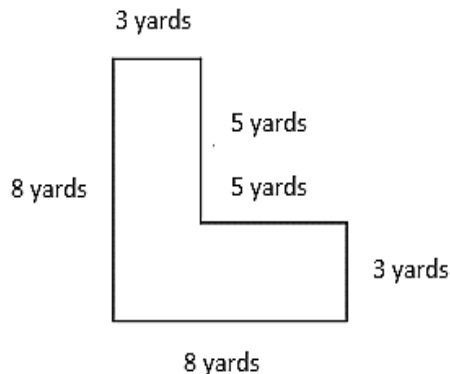
KEY

☐ = 1 square foot

A. 20 square feet

B. 26 square feet

C. 28 square feet

D. 74 square feet

---

30. William wanted to create a play yard for his dogs. What is the area of the play yard for William's dogs?

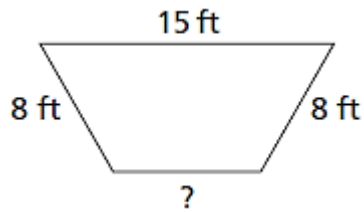3 yards

5 yards

8 yards

5 yards

3 yards

8 yards

A. 32 square yards

B. 39 square yards

C. 47 square yards

D. 64 square yards

11

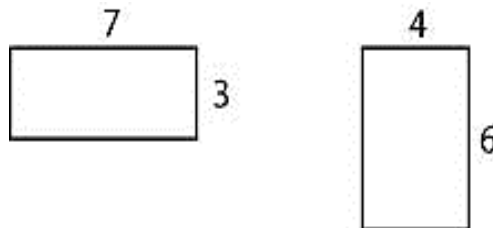**31. The figure below has a perimeter of 37 feet. What is the length, in feet, of the unknown side?**

15 ft

8 ft   8 ft

?

A. 6   C. 14

B. 8   D. 31

---

32. Rachel is comparing the perimeters and areas of two rectangles. Which statement is true about these rectangles?

7

3

4

6

A. The perimeters and the areas are the same.

B. The areas are the same, but the perimeters are different.

C. The perimeters are the same, but the areas are different.

D. The areas and the perimeters are different.