Choose the correct answer.
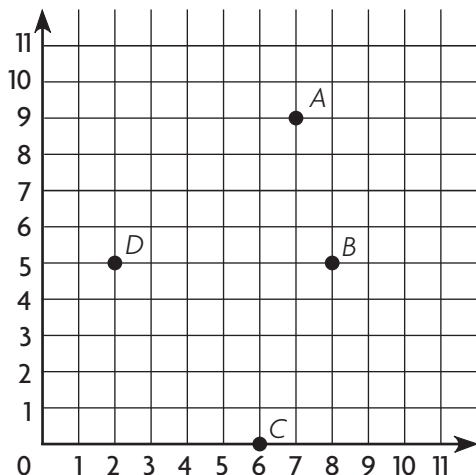
Use the grid for 1–4.

A company has four coffee shops in one city. The grid shows the location of each coffee shop.

1. Which ordered pair tells the location of Coffee Shop D?

(A) (2, 5)   (C) (5, 5)

(B) (5, 2)   (D) (5, 8)

2. Which ordered pair tells the location of Coffee Shop A?

(A) (7, 0)   (C) (9, 7)

(B) (7, 9)   (D) (9, 9)

3. Which ordered pair tells the location of Coffee Shop C?

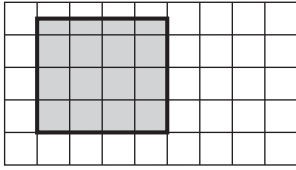(A) (0, 6)

(B) (6, 0)

(C) (6, 6)

(D) (9, 0)

4. Which best describes how to move from Coffee Shop D to Coffee Shop B?

(A) Move 8 units to the right.

(B) Move 6 units up.

(C) Move 6 units to the left.
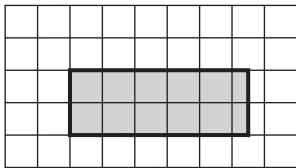
(D) Move 6 units to the right.

GO ON

5. The park director drew this model of a playground. Each square has an area of 6 square yards.

1 square = 6 square yards

What is the area of the playground?

(A) 90 square yards

(B) 84 square yards

(C) 72 square yards

(D) 48 square yards

6. Ms. Rinaldi made a model of the hallway she wants to carpet. Each square has an area of 4 square feet.
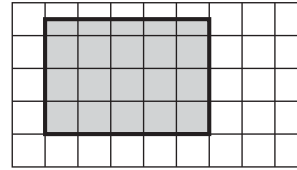
1 square = 4 square feet

What is the area of the hallway?

(A) 44 square feet

(B) 42 square feet

(C) 40 square feet

(D) 36 square feet

7. The mayor looked at this grid of his town. Each square has an area of 10 square miles.

1 square = 10 square miles

What is the area of the town?

(A) 175 square miles

(B) 150 square miles

(C) 125 square miles

(D) 50 square miles

8. Juan is cutting lumber into $\frac{1}{2}$-foot lengths. How many $\frac{1}{2}$-foot lengths will he get from an 8-foot long piece of lumber?

(A) 16

(B) 8

(C) 6

(D) 4

GO ON

9. Eli has 3 cups of mixed nuts. He wants to divide it into portions that are $\frac{1}{4}$-cup each. How many portions can he make?

Ⓐ 6

Ⓑ 7

Ⓒ 12

Ⓓ 24

11. A store has 2 separate displays of color markers. There are 16 sets of color markers in each display. If there are 4 markers in each set, how many markers in all are on display?

Ⓐ 32

Ⓑ 64

Ⓒ 128

Ⓓ 148

10. Amber has a pitcher filled with 4 cups of orange juice. She pours out $\frac{1}{2}$-cup servings until the pitcher is empty. How many $\frac{1}{2}$-cup servings does she make?

Ⓐ 16

Ⓑ 12

Ⓒ 8

Ⓓ 6

12. There are 5 ballet classes at each of Dixon's Dance Studios. Each ballet class has 12 students. If there are Dixon Dance Studios in 4 different cities, how many ballet students are there in all?

Ⓐ 240 students

Ⓑ 200 students

Ⓒ 120 students

Ⓓ 60 students
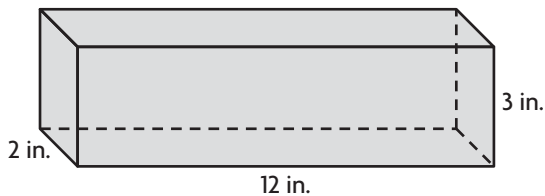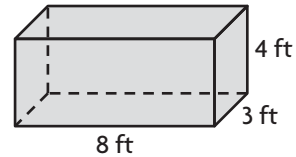
GO ON

Write the correct answer.

13. A florist makes 4 different color bouquets of roses. There are 15 bouquets of each color, and one dozen roses in each bouquet. How many roses are there in all of the bouquets?

_____

14. Maddy is making wooden blocks to use as game cubes. Each block is a cube one inch long on each edge. The cubes will fit in the bottom layer of this game box.


3 in.

2 in.

12 in.

How many cubes will fit in the bottom layer of the game box?

_____

15. Alex and Philip are building a play fort in their back yard. It is in the shape of this rectangular prism.

4 ft

3 ft

8 ft

What is the area of the floor of their fort?

_____

16. Mya is looking for stone tiles for the floor of a greenhouse. The greenhouse will have the dimensions of this rectangular prism.

4 m

11 m

13 m
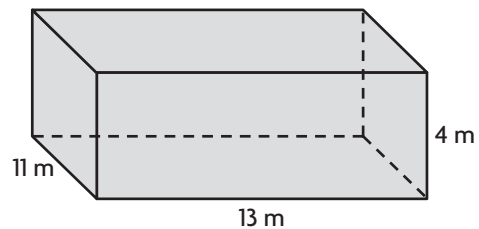
What is the floor area that Mya will need to cover with stone tiles?

_____

GO ON

17. Mr. Martin cooked some chili. His family ate $\frac{1}{3}$ of the chili for dinner. Later, as a snack, the family ate $\frac{1}{6}$ more of the chili. What part of the chili was eaten in all?

_____

19. Josh needs $\frac{2}{3}$ hour to weed a garden and $\frac{1}{12}$ hour to water the garden. What part of an hour do these two jobs take?

_____

18. In January of one winter, $\frac{3}{10}$ of a wood pile was used in a wood stove. In February, $\frac{2}{5}$ of the wood pile was used. What part of the wood pile was used up at the end of February?

_____

20. It is $\frac{3}{5}$ mile from Elaine's home to her school. It is $\frac{1}{10}$ mile from her home to the library. How much farther is Elaine's home from her school than it is from the library?

_____

GO ON

21. Jacob had $\frac{3}{4}$ of his book report left to do. He completed $\frac{3}{8}$ more of the report today. What fraction of the book report does Jacob still need to do?

22. Luis played soccer for $\frac{1}{2}$ hour. Gabriella played soccer for $\frac{5}{6}$ hour. What part of an hour more did Gabriella play than Luis?

23. Write the division problem $1 \div 9$ as a fraction or a mixed number.

24. A group of people buys 5 pounds of corn meal to divide equally among 6 families. Write a fraction or mixed number that shows how many pounds of corn meal each family gets.

25. Vanessa uses $\frac{3}{4}$ pound of flour to make a loaf of bread. To make 6 loaves, will she use more than 6 pounds of flour or less than 6 pounds of flour?

STOP