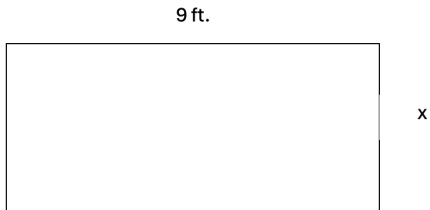


Lessons 12-14 Focus Questions

Created By Neely Machost

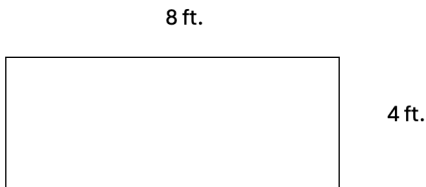
- 1 The **area** of the rectangle below is 54 square feet.



What is the value of x?

- ☐ A 3 ft.
- ☐ B 4 ft.
- ☐ C 6 ft.
- ☐ D 9 ft.

-
- 2 Larry builds a fence around his yard for his chickens.



What is the **area** of the yard?

- ☐ A 12 sq. ft.
- ☐ B 32 sq. ft.
- ☐ C 16 sq. ft.
- ☐ D 8 sq. ft.

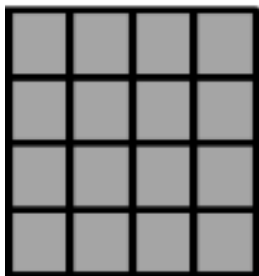
3

Austin is making a deck out of one-foot square bricks. The deck is 7 bricks long and 4 bricks wide. What is the **area** of Austin's deck.

- (A) 11 sq. ft.
- (B) 49 sq. ft.
- (C) 16 sq. ft.
- (D) 28 sq. ft.

4

Study the rectangle below.



Fill in the blanks to complete the sentence.

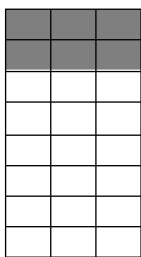
The area is square units because it takes same size squares to cover the rectangle without gaps.

DRAG & DROP THE ANSWER

Note: Use CTRL+D to drag the option via keyboard

5

Mrs. Rucker is painting two rectangular tables in her room. Below is a picture of the two tables side by side.



Which number sentence could Mrs. Rucker use to find the **area** of both tables?

(A) $(2 \times 3) + (4 \times 3)$

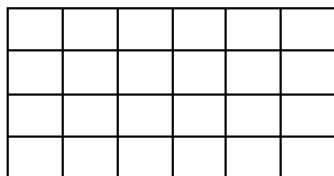
(B) $(2 \times 3) + (6 \times 3)$

(C) $(2 + 3) \times (6 + 3)$

(D) $(2 \times 3) \times (6 \times 3)$

6

Find the **area** of the rectangle.



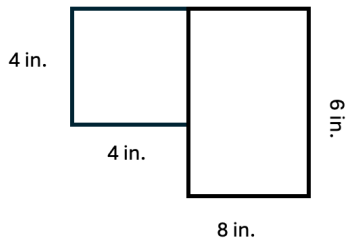
(A) 4 square units

(B) 6 square units

(C) 10 square units

(D) 24 square units

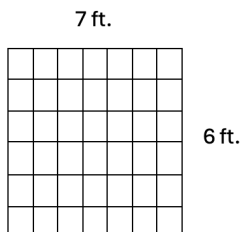
- 7 Mia put blocks together to make two quadrilaterals.



What is the total area (in^2) of the two quadrilaterals?

- (A) 48 in^2
- (B) 8 in^2
- (C) 64 in^2
- (D) 128 in^2

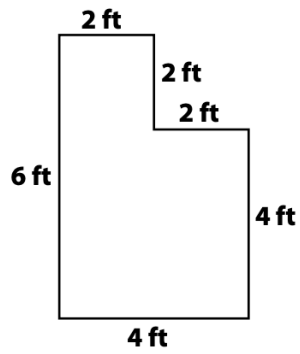
-
- 8 Mr. William is tiling his kitchen floor. Each tile measures 1 foot on each side.



How many tiles does Mr. William need to tile his floor?

- (A) 13 tiles
 - (B) 36 tiles
 - (C) 42 tiles
 - (D) 49 tiles
-

9 What is the **area** of the figure below?



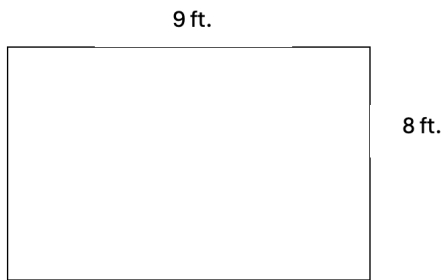
- (A) 10 sq. ft.
- (B) 6 sq. ft.
- (C) 14 sq. ft.
- (D) 20 sq. ft.

10 James has a rectangular dog pen. It has a length of 12 feet and a width of 6 feet. What is the **area** of the dog pen?

- (A) 60 square feet
 - (B) 72 square feet
 - (C) 18 square feet
 - (D) 108 square feet
-

11

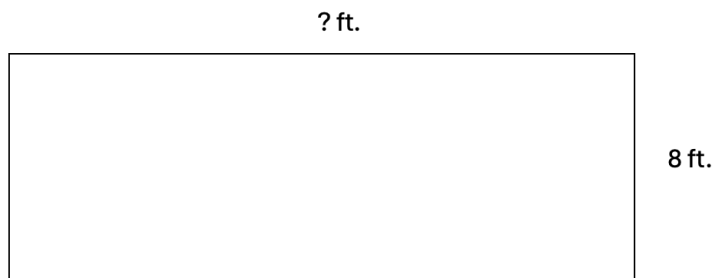
What is the **area** of a rectangle with sides that are 9 inches long and 8 inches wide?



- (A) 64 sq. in.
- (B) 17 sq. in.
- (C) 56 sq. in.
- (D) 72 sq. in.

12

Study the model.



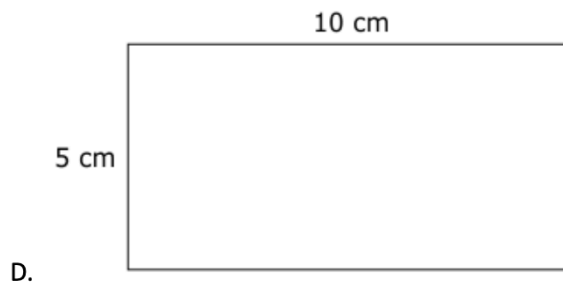
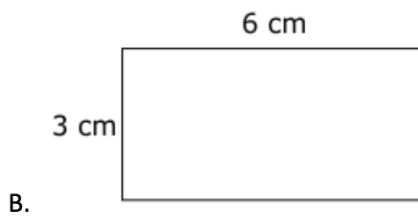
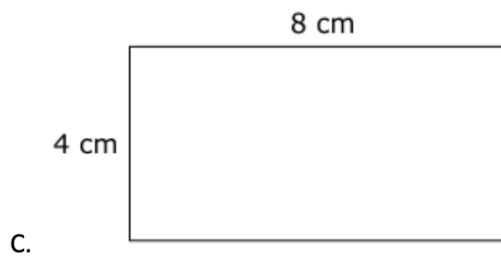
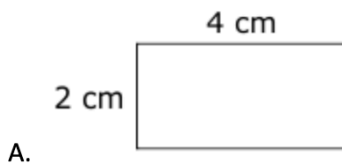
The **area** of Steve's pool is 96 square feet. If the width of the pool is 8 ft, what is the length of his pool?

- (A) 12 ft.
- (B) 24 ft.
- (C) 74 ft.
- (D) 39 ft.

- 13 Emily's bedroom is shaped like a **square**. It has an **area** of 100 sq. feet, and each side is the same length. What is the length of each side of Emily's bedroom?

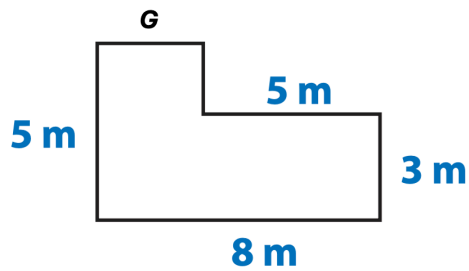
- (A) 4 ft.
- (B) 10 ft.
- (C) 11 ft.
- (D) 25 ft.

-
- 14 Which rectangle has an **area** of 32 sq. cm.?



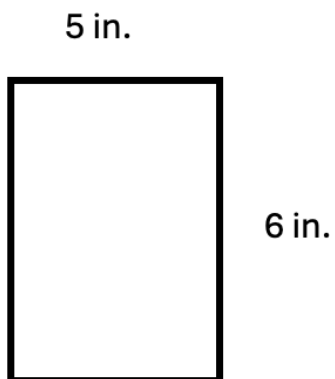
- (A) Rectangle A
 - (B) Rectangle B
 - (C) Rectangle C
 - (D) Rectangle D
-

- 15 What is the length of side G in the figure below?



- (A) 1 m
(B) 9 m
(C) 3 m
(D) 5 m

- 16 What is the area of this rectangle?



Area = square inches

DRAG & DROP THE ANSWER

25

6

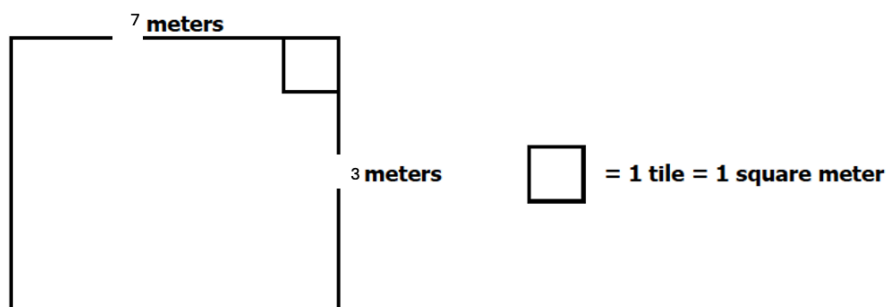
11

30

Note: Use CTRL+D to drag the option via keyboard

17

Marie has a kitchen that measures 7 meters long and 3 meters wide. She uses tiles each have an are of 1-square meter to cover her kitchen floor.



How many tiles does Marie need to cover her entire kitchen floor?

- (A) 10 tiles
- (B) 14 tiles
- (C) 21 tiles
- (D) 28 tiles

18

Mrs. Price's classroom has an **area** of 60 square units. What equation is used to find the **area**?

- (A) $50 + 10$
- (B) 12×5
- (C) $12 + 5$
- (D) 60×60

19

Susie's neighborhood is in the shape of a rectangle. The length of her neighborhood is 8 meters. The width of her neighborhood is 6 meters. What is the **area** of Susie's neighborhood?

- (A) 14 sq. m.
- (B) 40 sq. m.
- (C) 34 sq. m.
- (D) 48 sq. m.

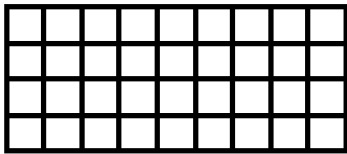
20

Dr. McKay found the **area** of a rug in her office is 56 sq. ft. If the side length of the rug is 8 ft., what is the width of the rug?

- (A) 60 ft.
 - (B) 8 ft.
 - (C) 48 ft.
 - (D) 7 ft.
-

21

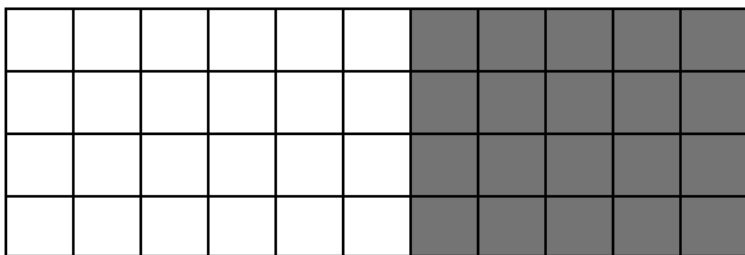
Bernard is building a table. He wants to find the area of the table.



What repeated addition sentence could you use to find the area of the top of Bernard's table?

- (A) $4 + 4 + 9 + 9$
 - (B) $4 + 4 + 4 + 4$
 - (C) $9 + 9 + 9 + 9$
 - (D) $9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9$
-

PART A: Myles just poured a new concrete basketball court in his backyard.



Which expression correctly represents his basketball court?

- (A) $(11 \times 4) \times (5 \times 4)$
- (B) $(6 \times 4) + (5 \times 4)$
- (C) $(11 \times 4) + (6 \times 4)$
- (D) $(6 \times 4) \times (5 \times 4)$

PART B: What is the **area** of Myles' basketball court?

What is the **area** of a rectangle that has a length of 12 inches and a width of 3 inches?

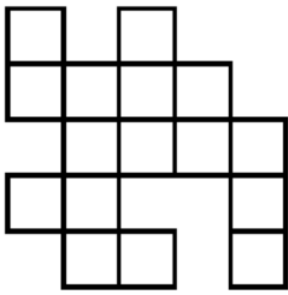
Mr. Beast has a rectangular garden that is 4 yards wide and 6 yards long. He has enough dirt to cover an **area** of 20 yards. Does he have enough dirt for his garden?

- (A) Yes, because the area of the garden is 24 sq. yards and 24 is more than 20.
- (B) No, because the area of the garden is 20 sq. yards and 20 is less than 24.
- (C) Yes, because the area of the garden is 20 sq. yards and 20 is less than 24.
- (D) No, because the area of the garden is 24 sq. yards and 24 is more than 20.

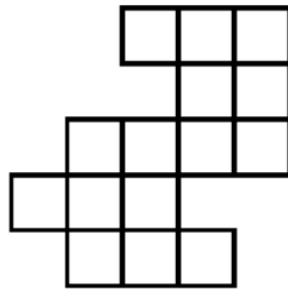
26

If each figure is made up of unit squares, which figure has an area of 17 square units?

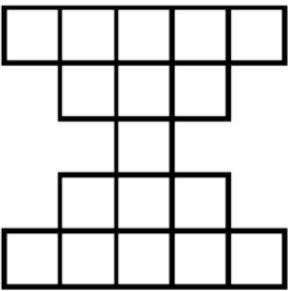
(A)



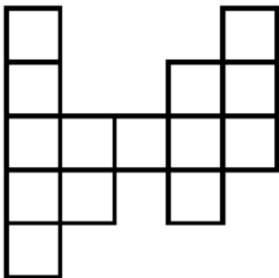
(B)



(C)



(D)



27

Subtract.

$$651 - 376 =$$

28

Add.

$$192 + 749 =$$

29

Select the numbers that round to 500 when rounded to the nearest hundred. Mark all that apply.

☐ A 448

☐ B 450

☐ C 493

☐ D 542

☐ E 599

30 Select two ways that could be used to calculate 6×80 .

☐ A 6 groups of 8 ones

☐ B 6 groups of 8 tens

☐ C $6 \times 8 \times 10$

☐ D 8×10

☐ E 6×8

31

Multiply to find each product.

