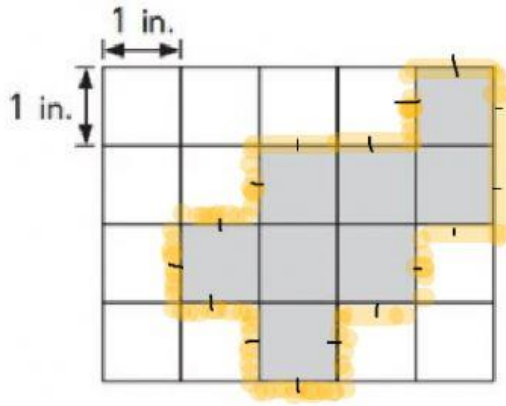


1. What is the perimeter of the shaded figure?

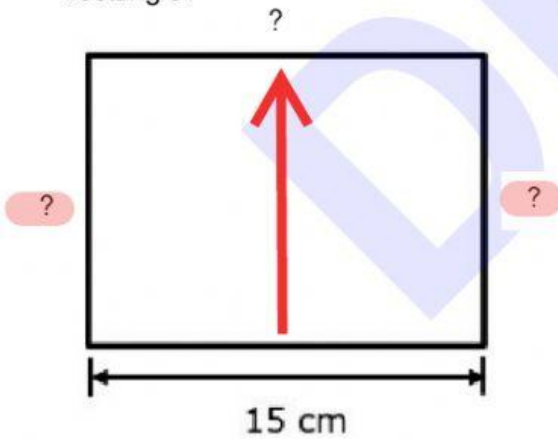
Strategies



- A. 8 in.
- B. 12 in.
- C. 16 in.
- D. 25 in.

2. The length of a rectangle is 15 centimeters and the perimeter is 54 centimeters. What is the width of the rectangle?

Strategies



- A. 10 cm
- B. 12 cm
- C. 25 cm
- D. 39 cm

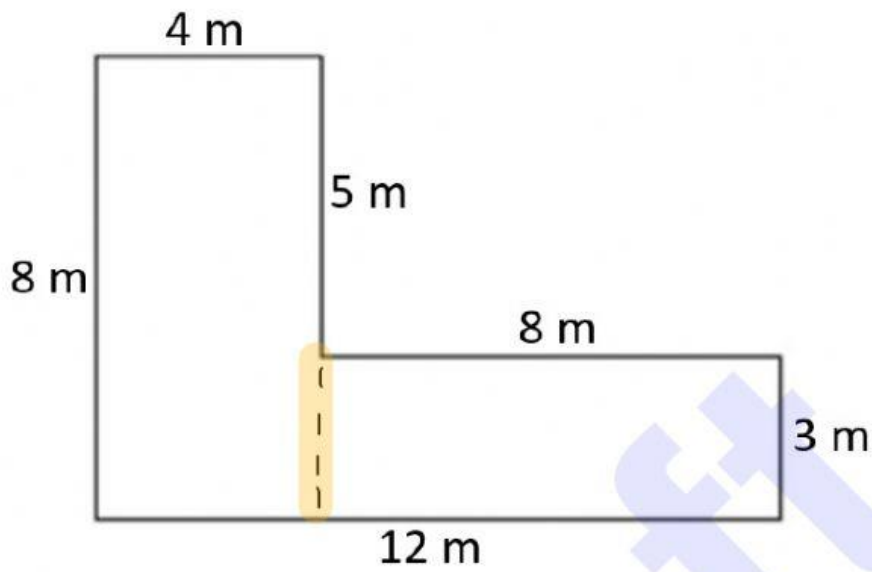
3. A new playground with the shape shown below is built in the neighborhood. What is the total area of the playground?

Strategies

$$A_1 = C \times R$$

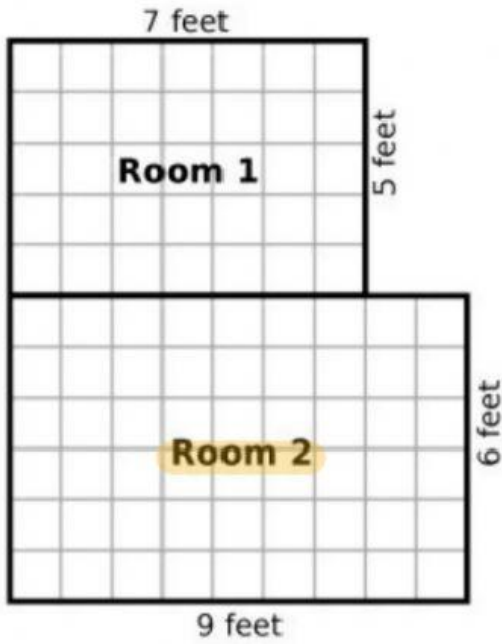
$$A_2 = C \times R$$

$$A_t = A_1 + A_2$$



- A. 12 m^2
- B. 27 m^2
- C. 32 m^2
- D. 56 m^2

4. Rachel is covering the floors of the two rooms shown below with tiles. Each tile is one square foot. What is the total number of square feet in room 2?



Strategies

$$A2 = C \times R$$

$$A2 =$$

$$A2 =$$

Room 2 has an area of Inline Choice 1 Inline Choice 2.

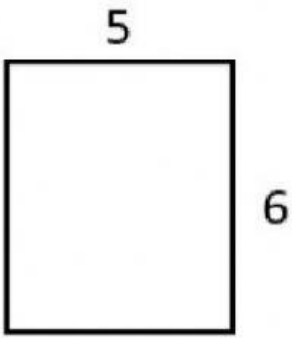
Inline Choice 1:

1. 35
2. 38
3. 54
4. 27

Inline Choice 2:

1. feet
2. square feet
3. meters
4. square meters

5. Pat is sewing three rectangular rugs. She has already finished one rug. She wants to sew two more rugs with the same area but the perimeter can be different.



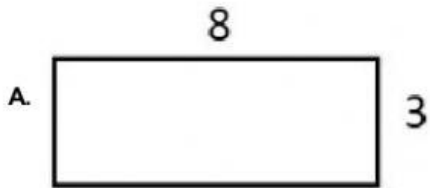
Strategies

$$A = C \times R$$

$$A =$$

$$A =$$

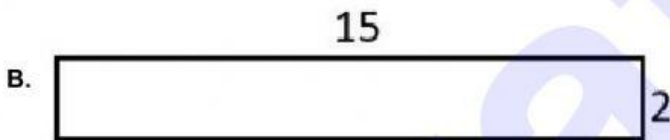
Select two of the following that have the same area as the rug she has finished.



$$A = C \times R$$

$$A =$$

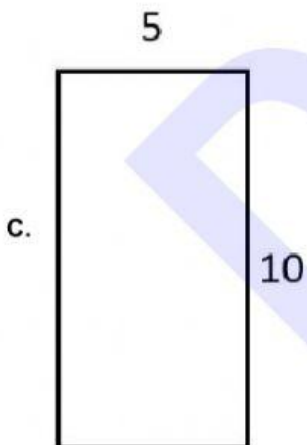
$$A =$$



$$A = C \times R$$

$$A =$$

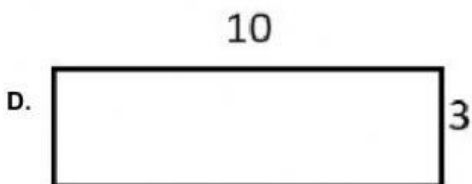
$$A =$$

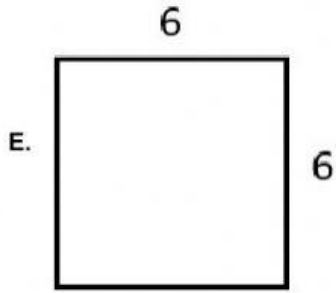


$$A = C \times R$$

$$A =$$

$$A =$$





6. Antonio wants to place his bookshelf and computer desk side by side in his bedroom. The shaded section of the model represents the bookshelf, and the white section represents the computer desk.

Strategies



$$A_1 = C \times R$$

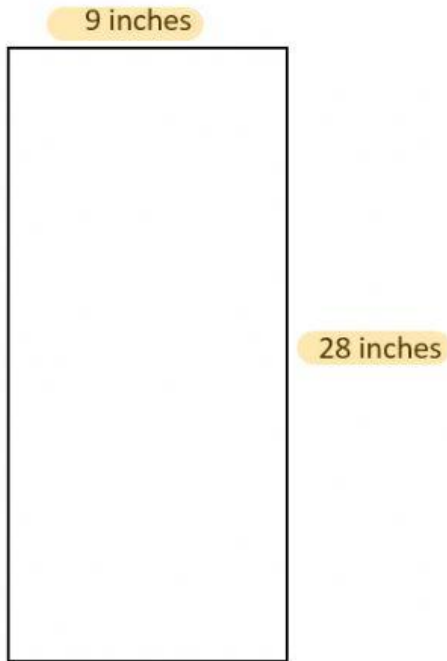
$$A_2 = C \times R$$

$$A_t = A_1 + A_2$$

Which expression can be used to determine the amount of floor space Antonio needs in his bedroom for both pieces of furniture?

- A. $3 + 8$
- B. $(3 + 5) + (3 + 3)$
- C. $(3 \times 5) + (3 \times 3)$
- D. $(3 \times 5) \times (3 \times 3)$

7. The side lengths of a rectangular mirror are shown in inches.



Strategies

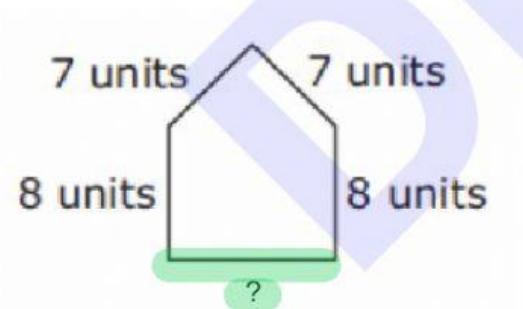
$$A = C \times R$$

$$A =$$

$$A =$$

What is the area of the mirror in inches?

8. The length of four sides of a polygon are shown in the diagram.



The perimeter of the polygon is 40 units. What is the missing length in units?

Strategies

A. 8 units

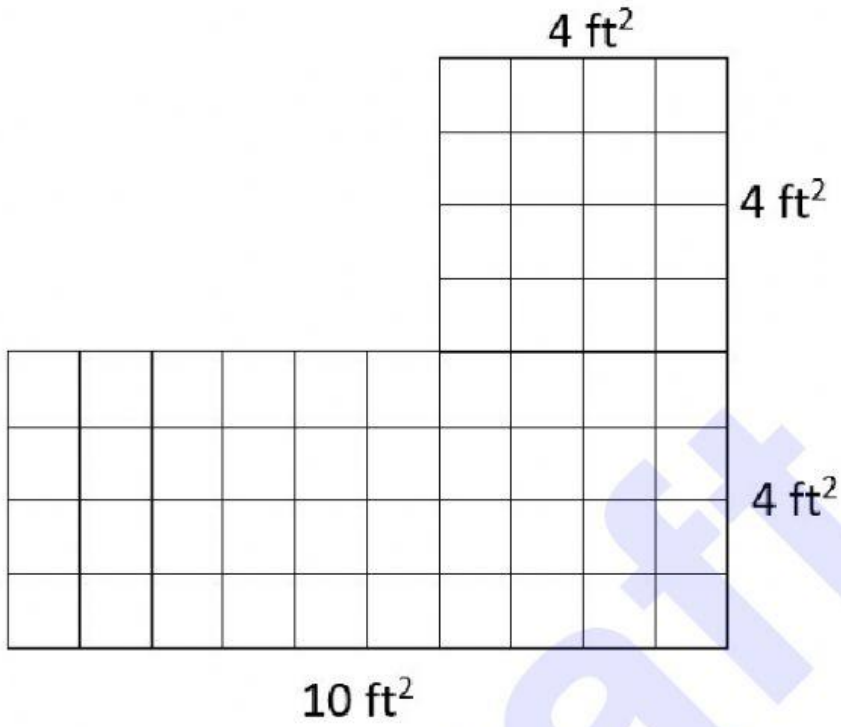
B. 15 units


C. 10 units

D. 30 units

$$P = S1 + S2 + S3 + S4 + S5$$

9. Denise planted a flower garden with a rectangular section and a square section, as shown.



 = 1 square foot

$A_1 = C \times R$

$A_2 = C \times R$

Strategies

What is the total area of the garden in square feet?

$A_t = A_1 + A_2$

10. What is the difference between the area of Figure A and Figure B?

Figure A

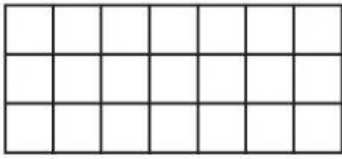
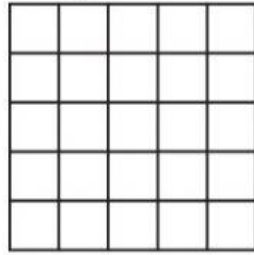


Figure B



- A. 46 square units
- B. 4 square units
- C. 21 square units
- D. 25 square units

Draft