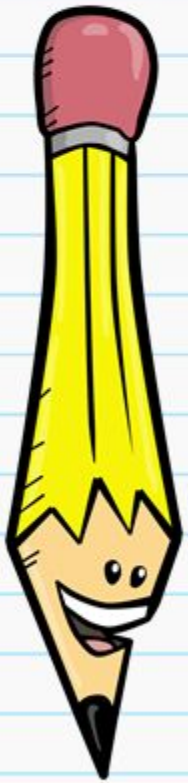
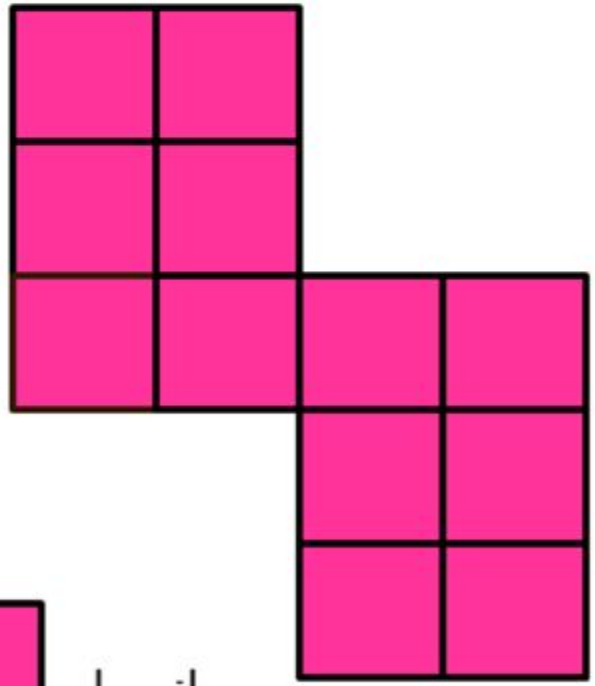
AREA & PERIMETER

Read and answer each question carefully. Make sure to explain your answer when asked.

AREA & PERIMETER





= 1 unit

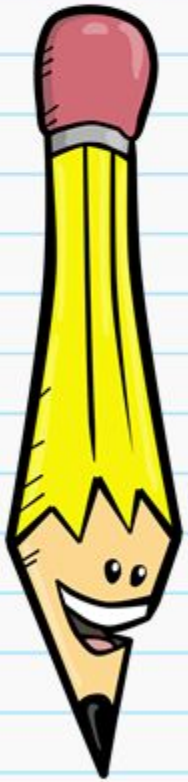
Jason drew this figure.
What is the perimeter of the figure in units?

_____ units

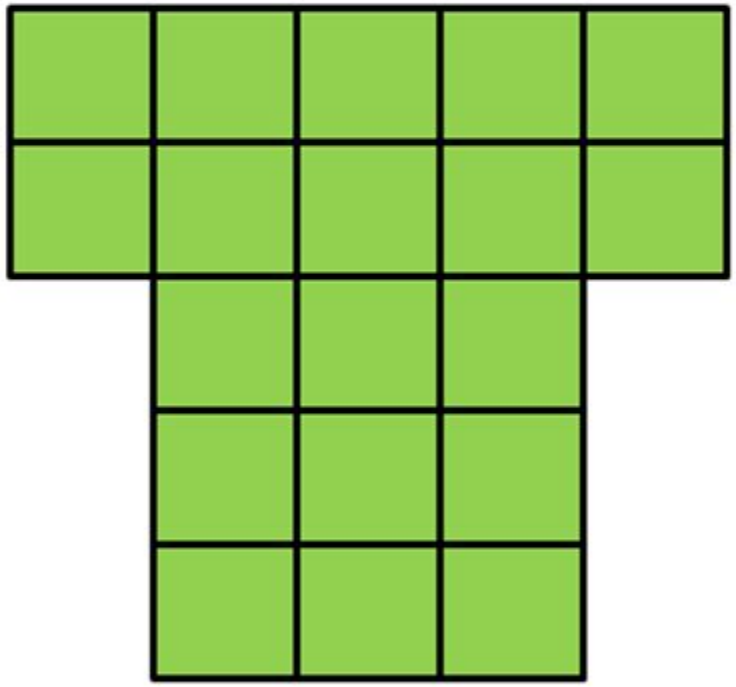
What is the area of the figure in sq. units?

_____ sq. units

AREA & PERIMETER



2



Leilani drew this figure. What is the perimeter of the figure in units?

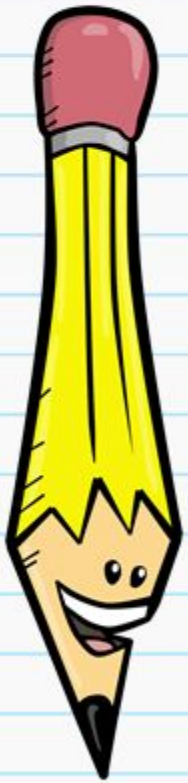
_____ units

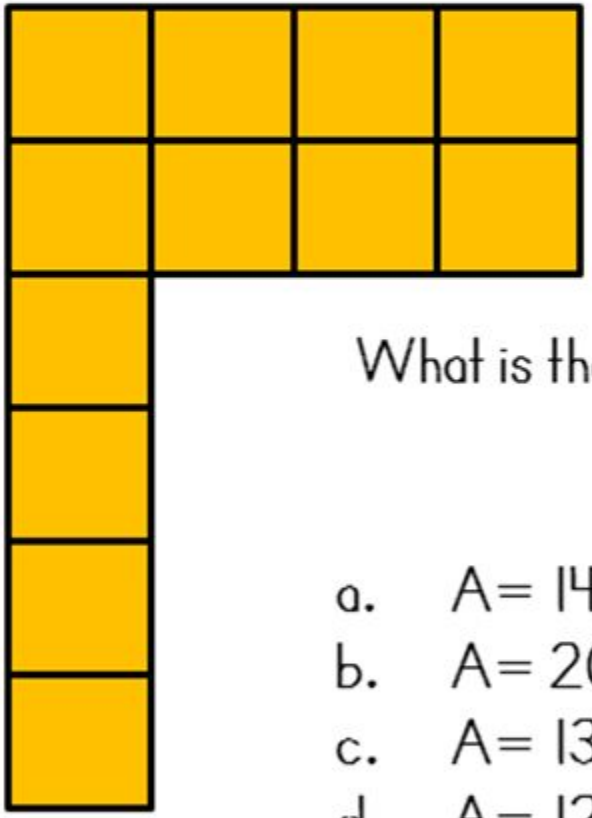
What is the area of the figure in sq. units?

_____ sq. units

 = 1 unit

AREA & PERIMETER





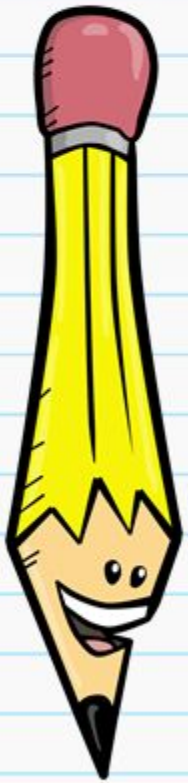
Drag and place the circle on the correct answer.

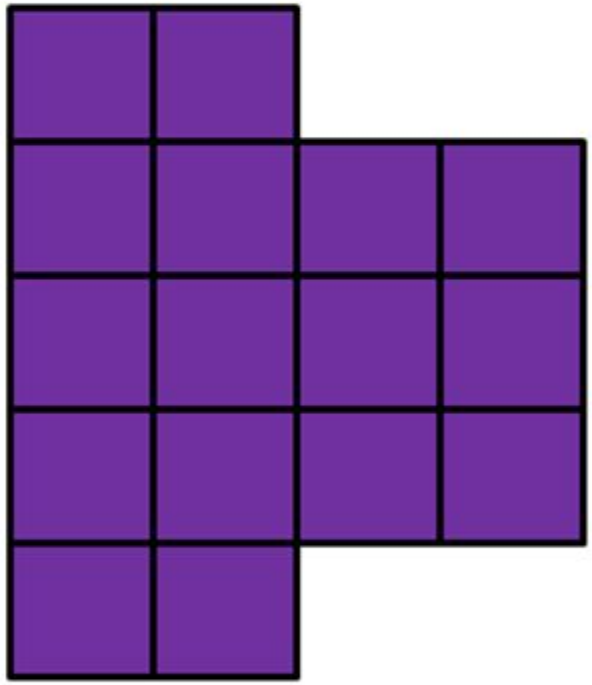
3

What is the area & perimeter of the figure?

a. A= 14 sq. units, P= 20 units
b. A= 20 sq. units, P= 12 units
c. A= 13 sq. units, P= 21 units
d. A= 12 sq. units, P= 20 units

AREA & PERIMETER





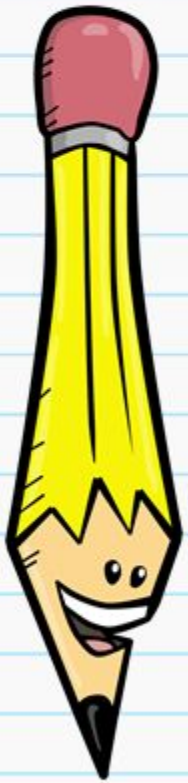
4

Drag and place the circle on the correct answer.

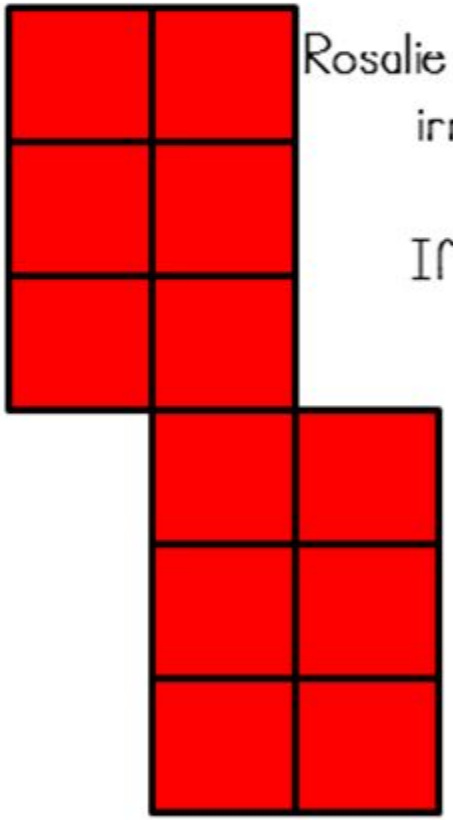
What is the area & perimeter of the figure?

a. A= 14 sq. units, P= 18 units
b. A= 20 sq. units, P= 16 units
c. A= 18 sq. units, P= 16 units
d. A= 16 sq. units, P= 18 units

AREA & PERIMETER



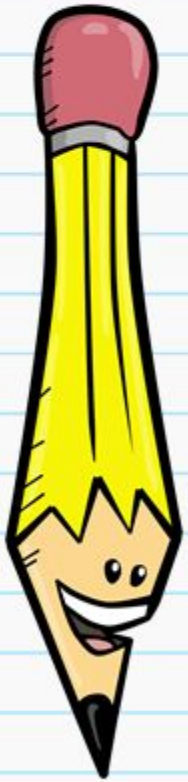
5



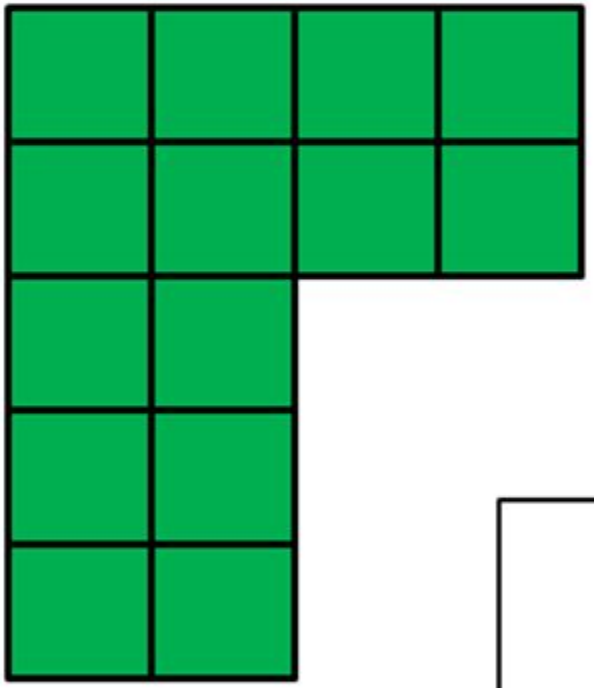
Rosalie said that the combined area for the irregular shape was 18 sq. units.
Is Rosalie correct?
If not what is the correct area?

Explain your thinking.

AREA & PERIMETER



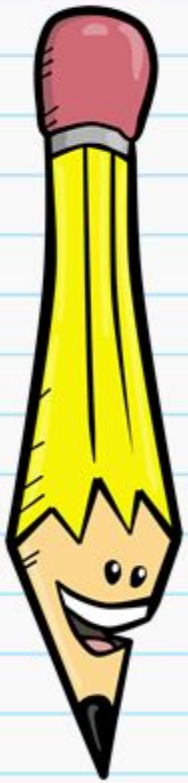
6



Oops, Jack said that the combined perimeter for the irregular shape was 14 units.

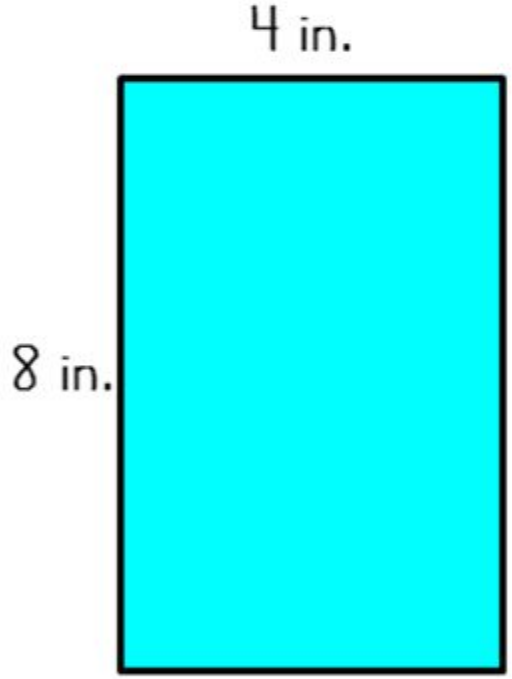
What did Jack do wrong?
What should he have done?

AREA & PERIMETER



7

Oops, Alex said that the area for the rectangle was 12 sq. inches.

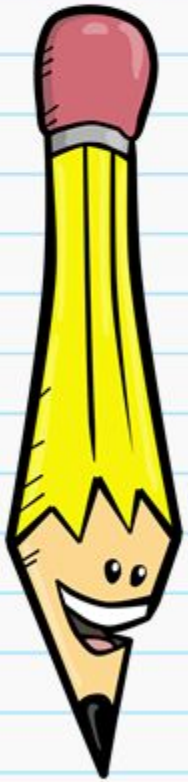


What did he do wrong?

What should he have done?

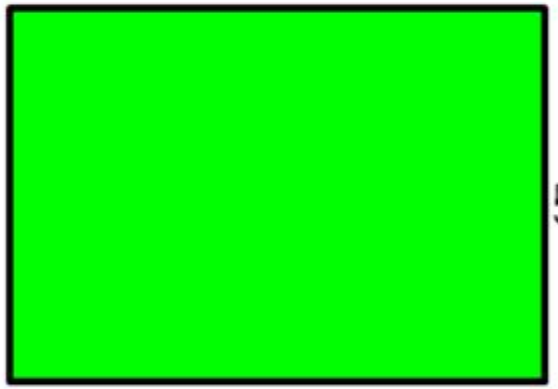
What is the area of the rectangle?

AREA & PERIMETER



8

8 ft.



5 ft.

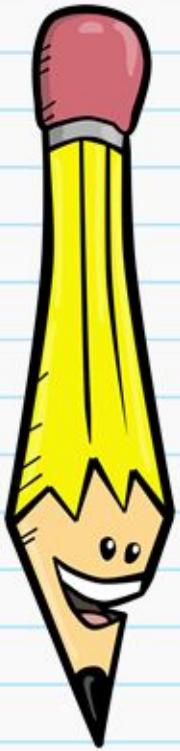
Uh oh, Rebecca said that the perimeter of the rectangle was 13 feet.

What did Rebecca do wrong?

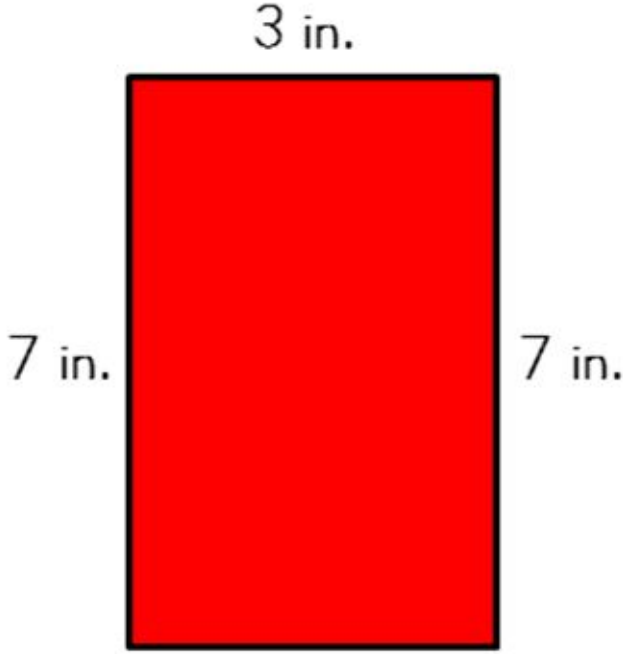
What should she have done?

What is the perimeter of the rectangle

AREA & PERIMETER



9



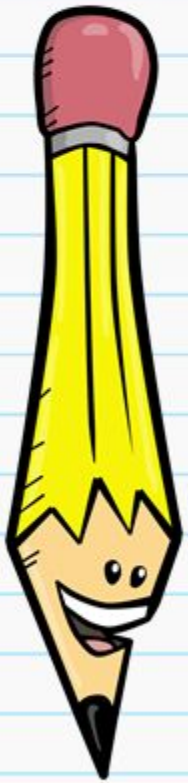
Find the area of the rectangle.

_____ in.

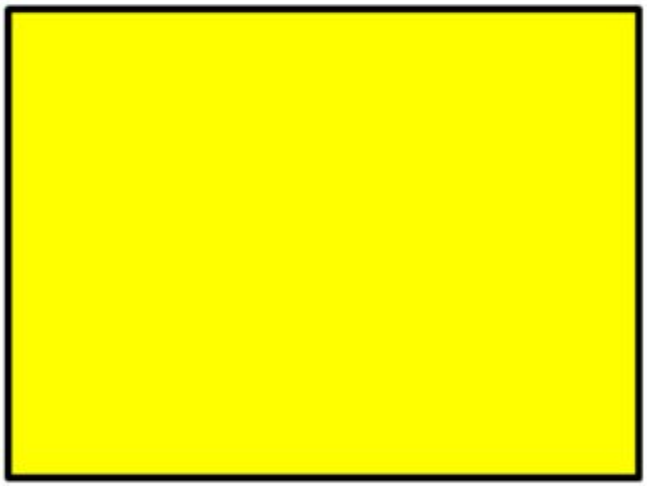
Find the perimeter of the rectangle.

_____ sq. in.

AREA & PERIMETER



10



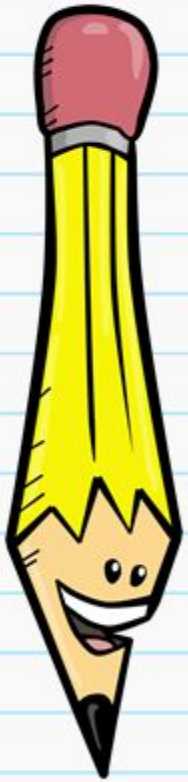
Find the area of the rectangle.

_____ ft.

Find the perimeter of the rectangle.

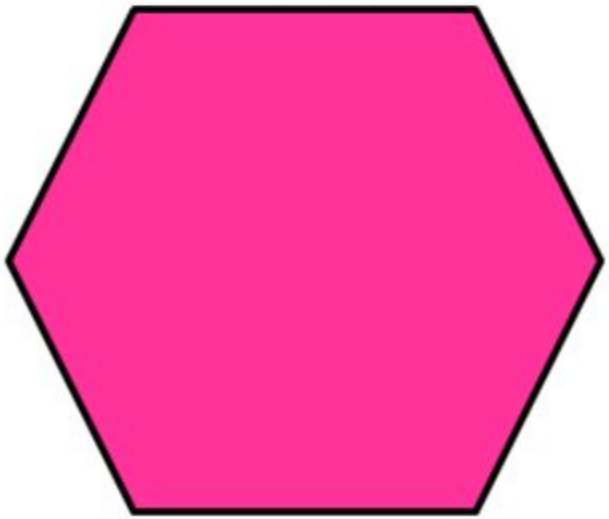
_____ sq. ft.

AREA & PERIMETER



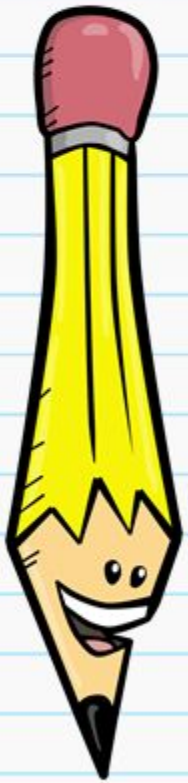
11

Find the perimeter of the hexagon.



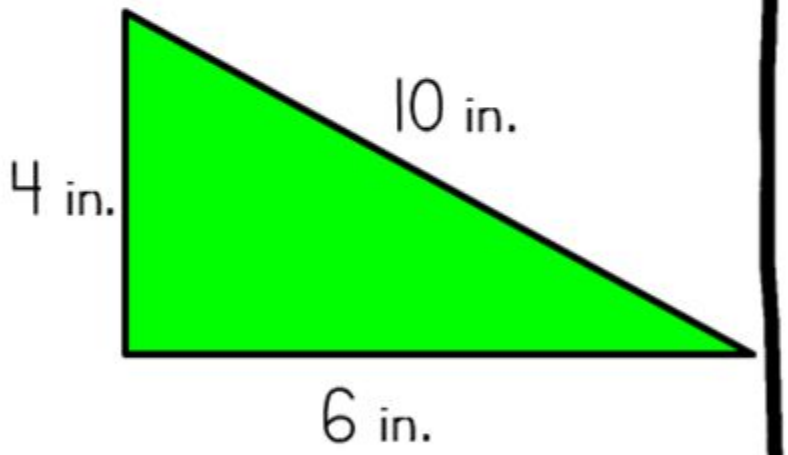
_____ in

AREA & PERIMETER



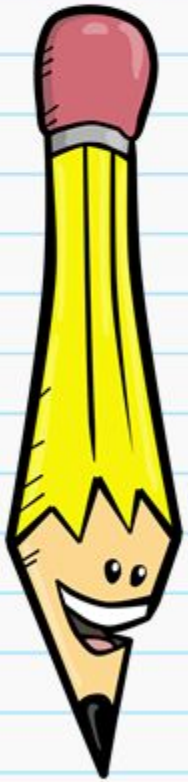
12

Find the perimeter of the triangle.

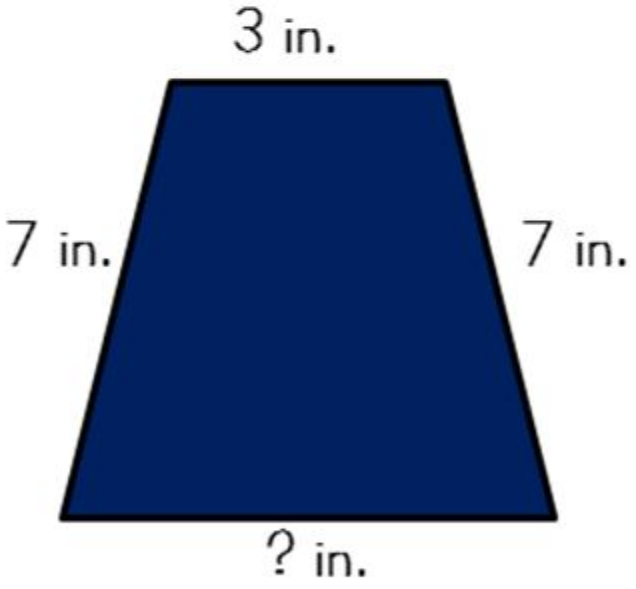


_____ in

AREA & PERIMETER



13

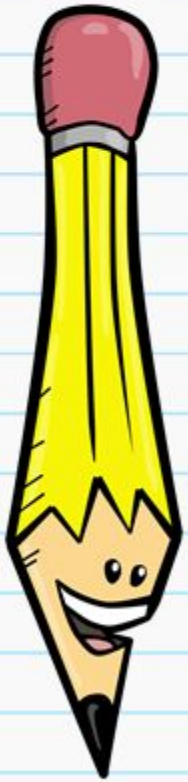


The perimeter of the trapezoid is 22 in.

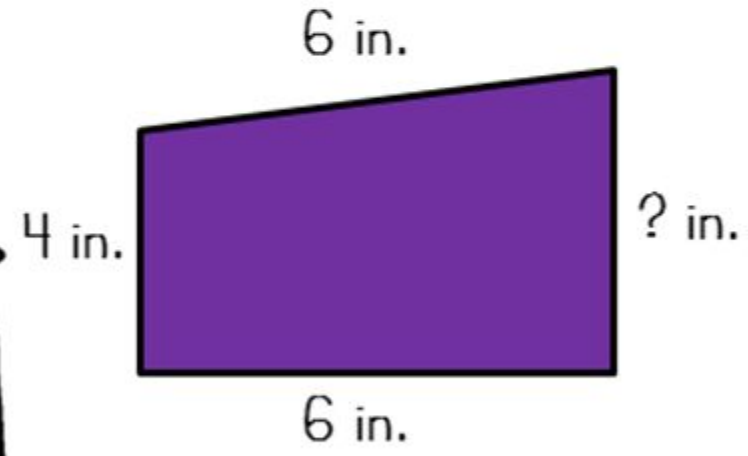
What is the length of the missing side?

_____in

AREA & PERIMETER



14

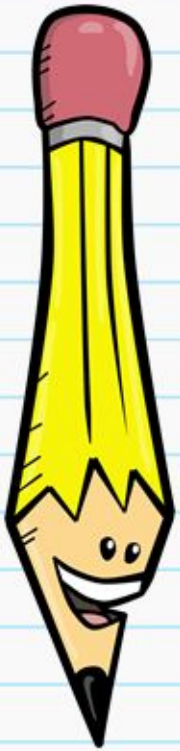


The perimeter of the trapezoid is 23 in.

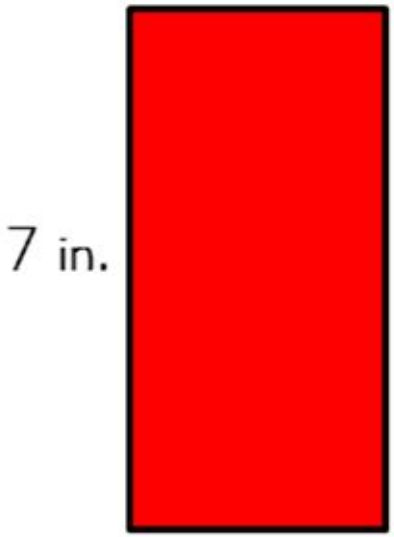
What is the length of the missing side?

_____ in

AREA & PERIMETER



15

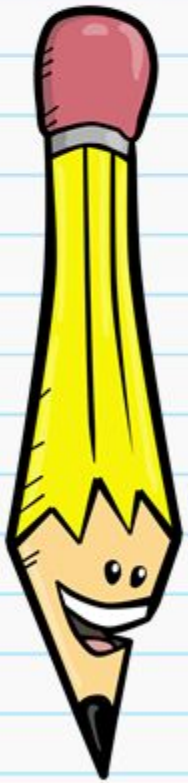


The perimeter of the rectangle is 20 in.

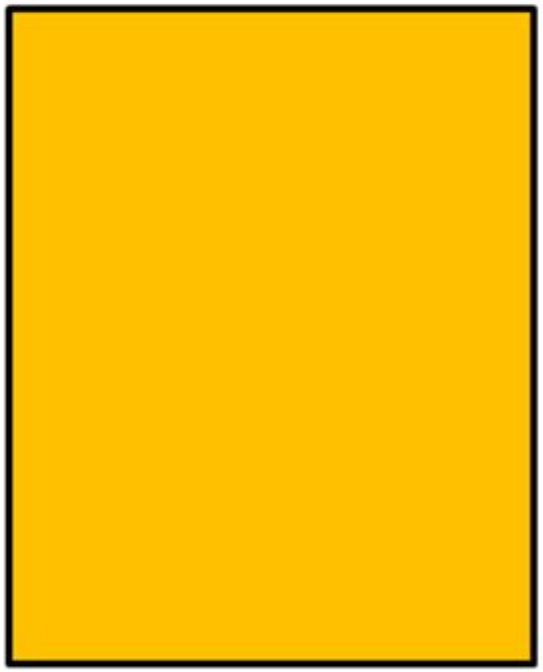
What is the length of the missing side?

_____ in

AREA & PERIMETER



16

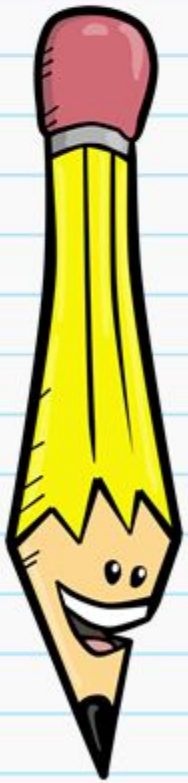


The perimeter of the rectangle is 30 in.

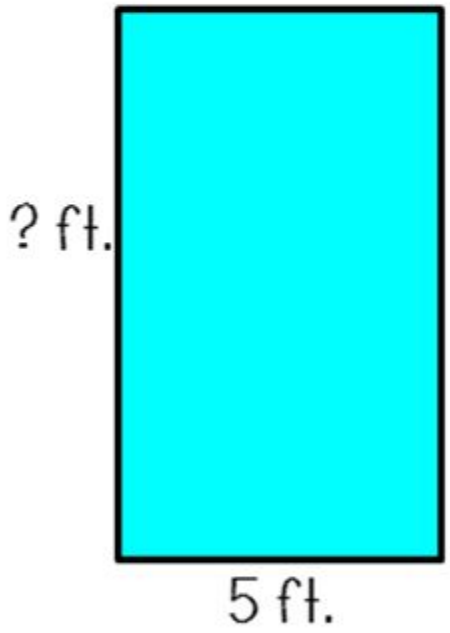
What is the length of the missing side?

_____ in

AREA & PERIMETER



17

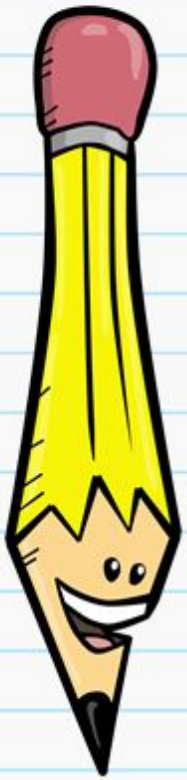


The area for this rectangle is 45 sq. ft.

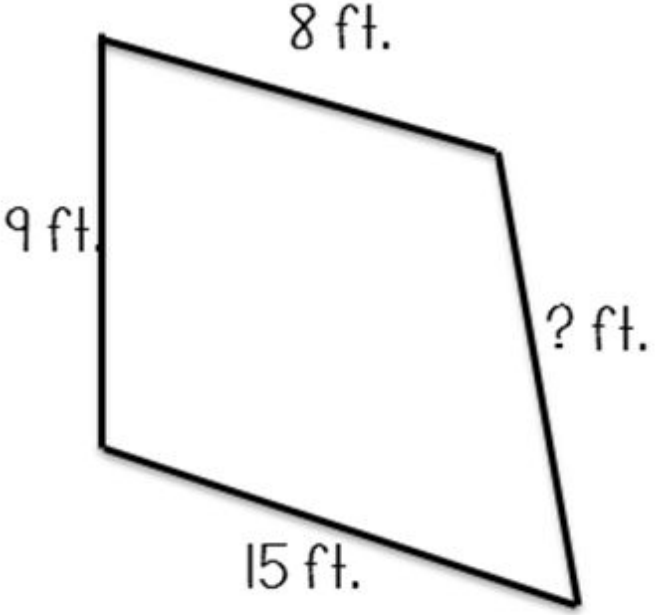
What is the length of the missing side?

_____ ft.

AREA & PERIMETER



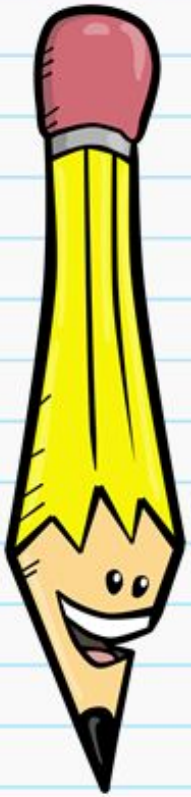
18



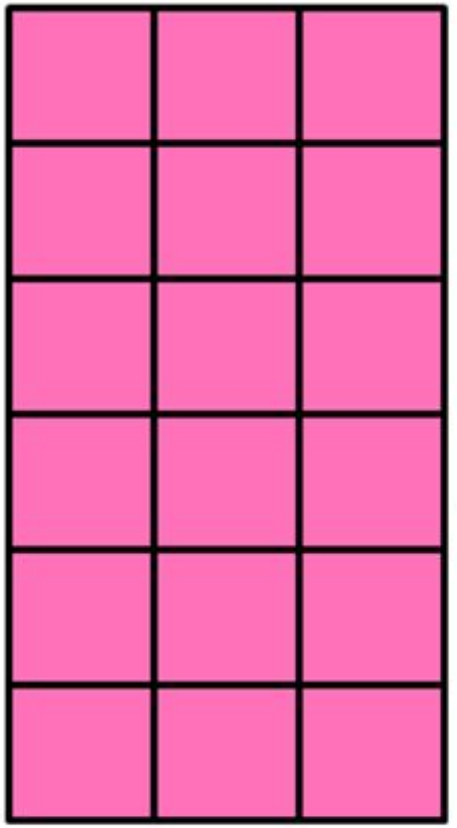
Jennifer was helping build a fence around her backyard. She needs 42 feet of fencing. What is the length of the unknown side?

_____ in

AREA & PERIMETER



19

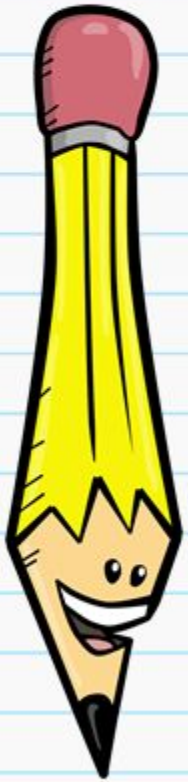


Heather draws a sketch of the floor of her playhouse.

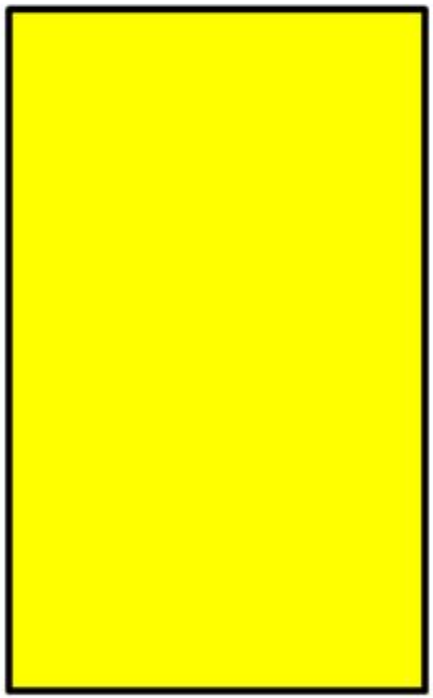
Each unit is 1 sq. ft.

Write and solve a multiplication equation that can be used to find the areas of the floor in square feet.

AREA & PERIMETER



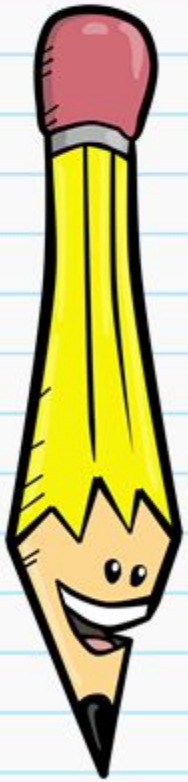
20



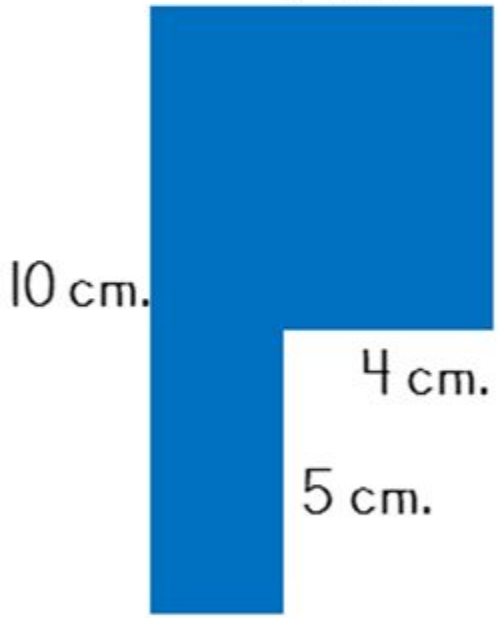
Mrs. Ortiz puts down new tile on the floor of her kitchen.

Write and solve a multiplication equation that can be used to find the areas of the floor in square feet.

AREA & PERIMETER

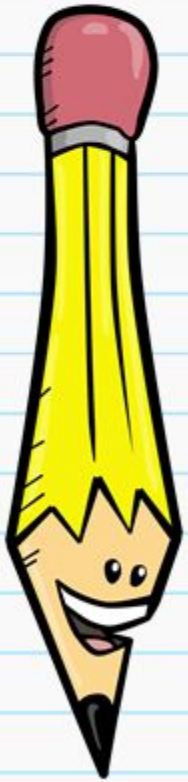


21

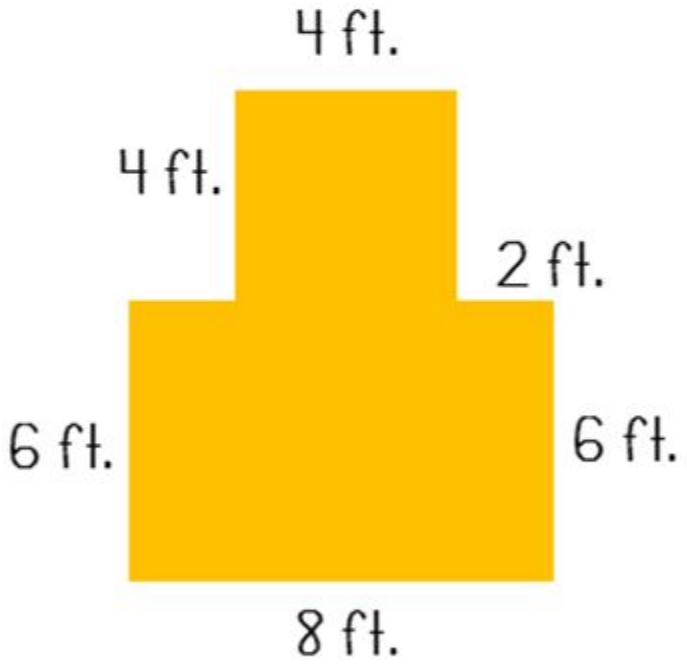


What is the area of the shape?
Show your work.

AREA & PERIMETER



22

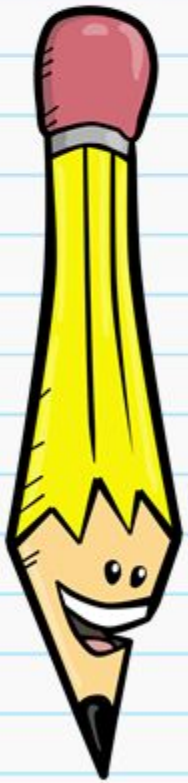


Mr. Smith wants to paint a mural on a wall at his school.

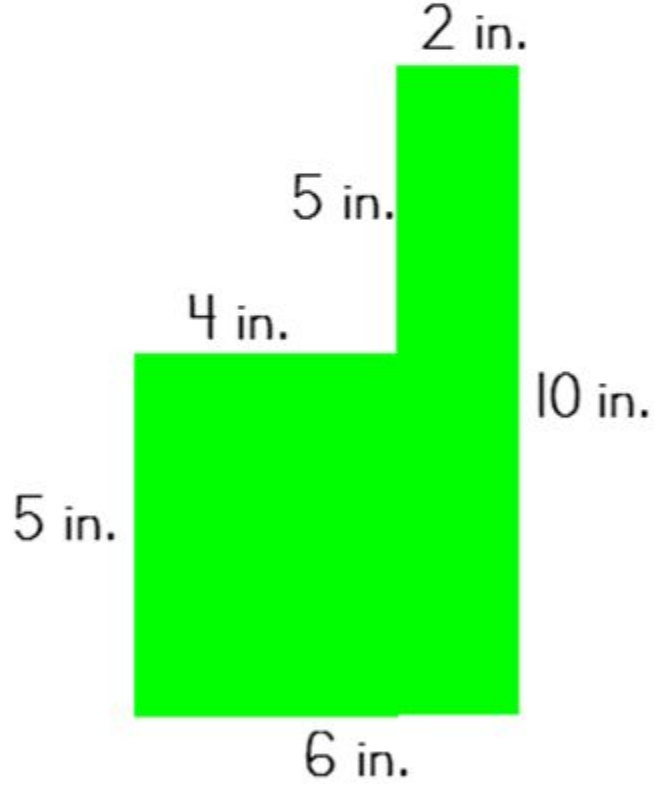
What is the area of the section he wants to paint?

_____ ft.

AREA & PERIMETER



23

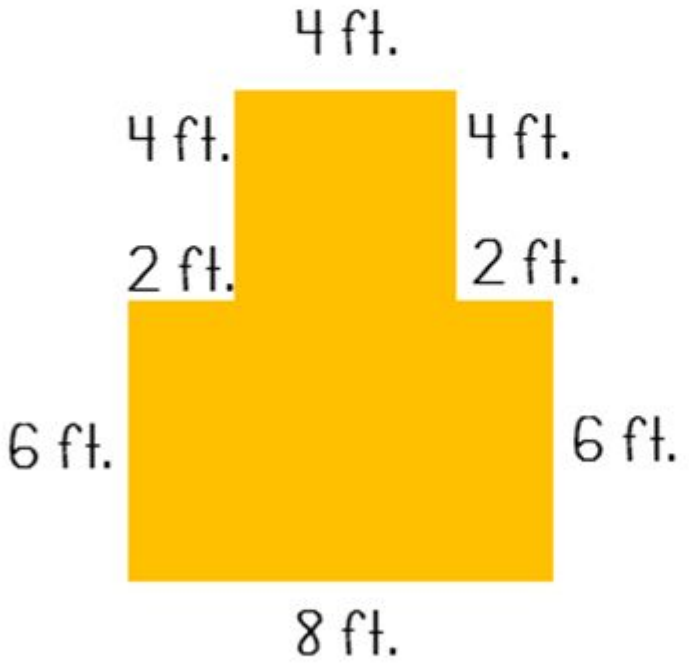


Find the perimeter of the irregular shape.

_____ in.

AREA & PERIMETER

24



Jasmine is helping her father put a fence around her garden. What is the total number of fencing Jasmine and her father need?

_____ ft.

AREA & PERIMETER

Answer Key

1. P 18 units, A 12 sq. units
2. P 20 units, A 19 sq. units
3. D
4. D
5. No, Rosalie is not correct. The correct area is 12 sq. units. I counted the squares to find my total. Rosalie found the perimeter instead.
6. Jack found the area, not the perimeter. He should have counted all the sides.
7. Alex added the length and width. He should have multiplied the length by the width to find the area. The area is 32 sq. ins.
8. Rebecca only added 2 sides, 8+3, instead of all 4 sides. She should have added all sides. P 8+3+8+3 22 ft.
9. A 21 sq. ins.
10. 40 sq. ft.
11. 24 in.
12. 20 in.
13. 5 in.
14. 7 in.
15. 3 in.
16. 7 in.
17. 9 ft.
18. 10 ft.
19. 6 x 3 18 sq. ft.
20. 6 x 7 42 sq. ft.
21. 40 sq. ft.
22. 58 sq. ft.
23. 32 ft.
24. 36 ft.