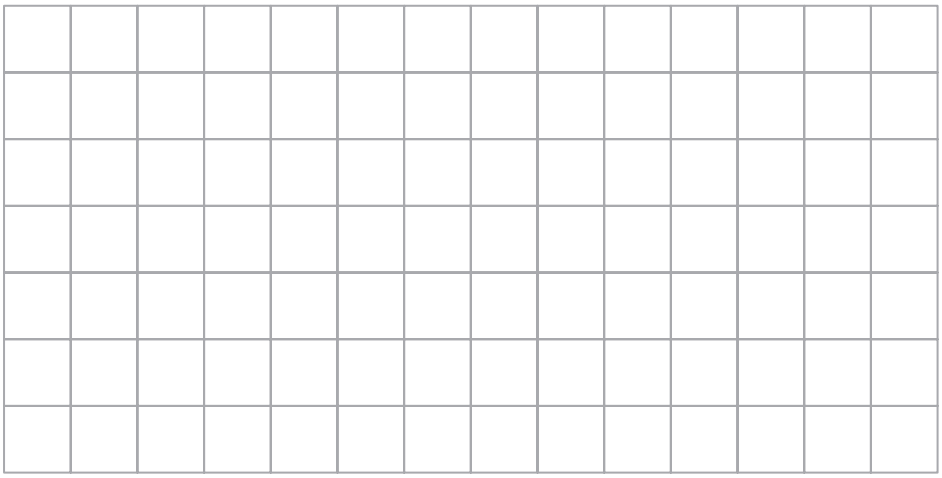
Name: _____ Date: _____

CHAPTER 19 Area and Perimeter

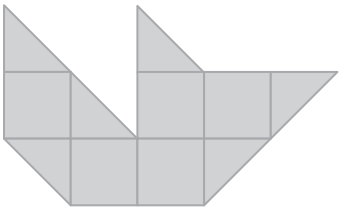
Lesson 19.1 Area

1. Draw and color two different figures on the grid.
Use 5 squares (□) and 4 half-squares (◺) for each figure.



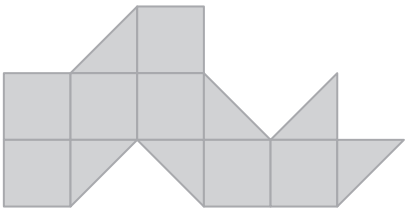
In the figures, each square is 1 square unit and each half-square is $\frac{1}{2}$ square unit. Find the area of each figure.

2.



Area = _____ square units

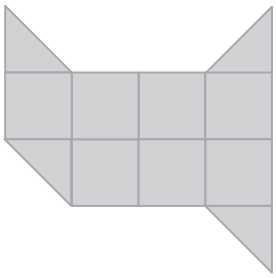
3.



Area = _____ square units

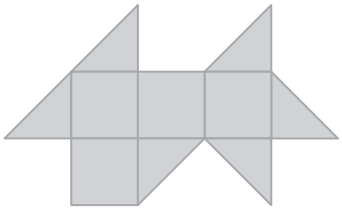
Name: _____ **Date:** _____

4.



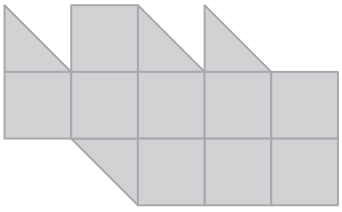
Area = _____ square units

5.



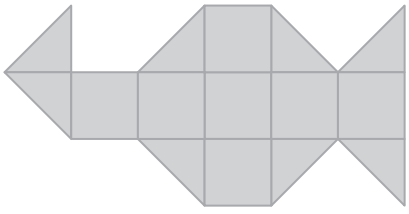
Area = _____ square units

6.



Area = _____ square units

7.



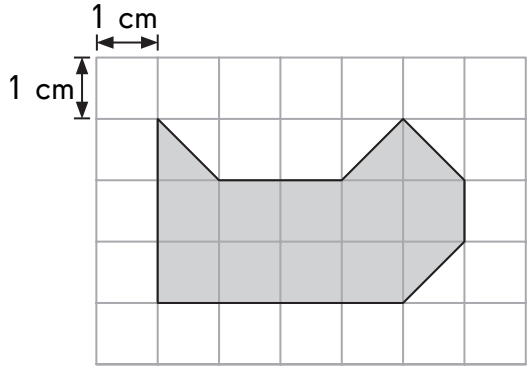
Area = _____ square units

Name: _____ Date: _____

Lesson 19.2 Square Units (cm² and in.²)

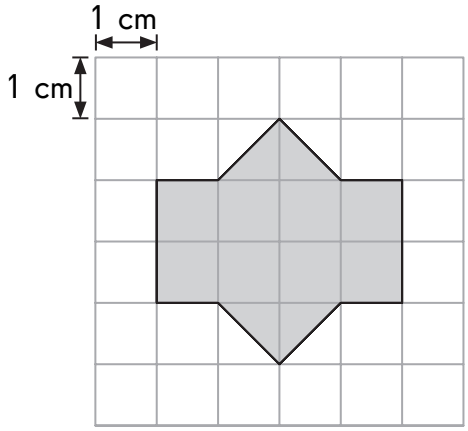
Find the area of each shaded figure.

1.



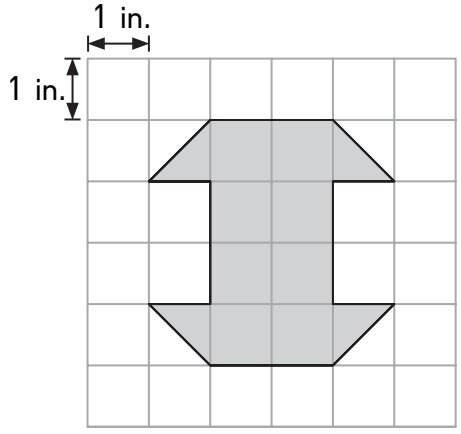
Area = _____ cm²

2.



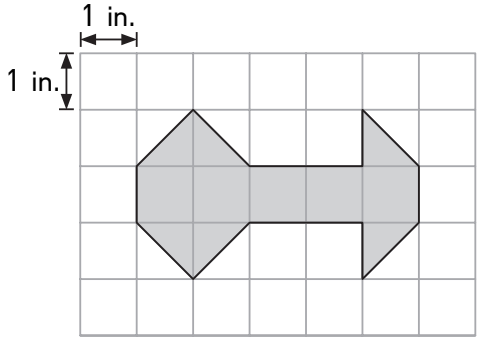
Area = _____ cm²

3.

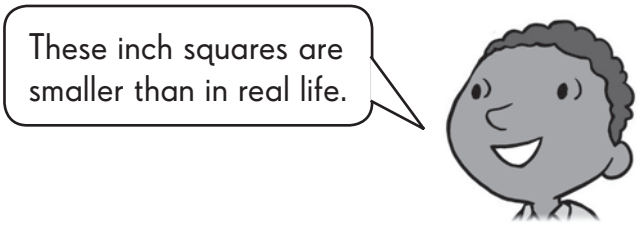


Area = _____ in.²

4.



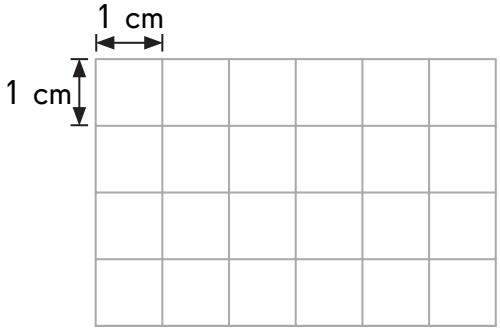
Area = _____ in.²



Name: _____ **Date:** _____

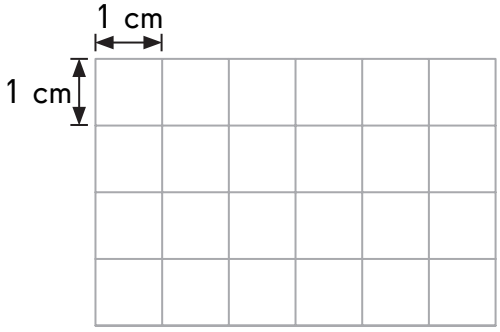
Draw each figure on the grid.

5. A figure of area 6 cm^2



A

6. A figure of area 10 cm^2



B

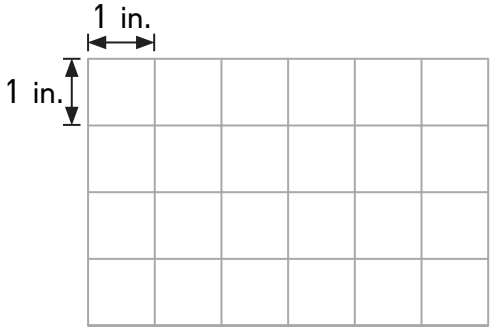
7. Which figure has the larger area? Figure _____

8. How can you make both figures have the same area?

_____

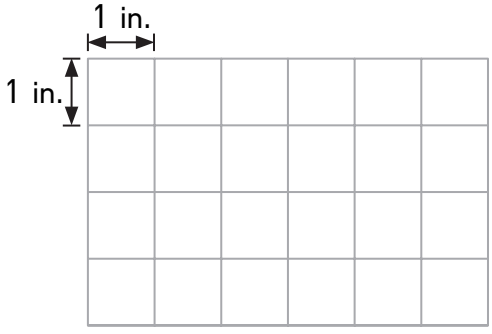
_____

9. A figure of area 10 $in.^2$



C

10. A figure of area 12 $in.^2$



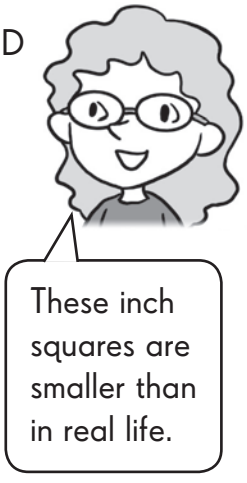
D

11. Which figure has the smaller area? Figure _____

12. How can you make both figures have the same area?

_____

_____

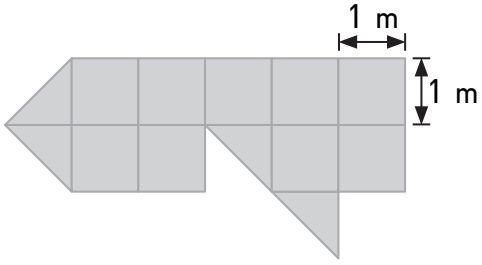


Name: _____ Date: _____

Lesson 19.3 Square Units (m^2 and ft^2)

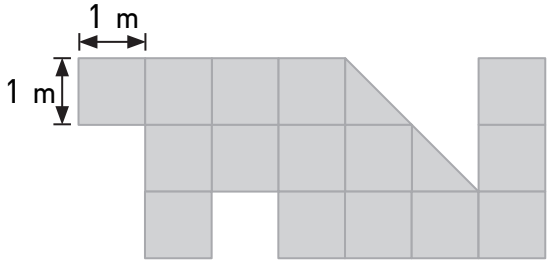
Find the area of each figure in square meters.

1.



Area = _____ m^2

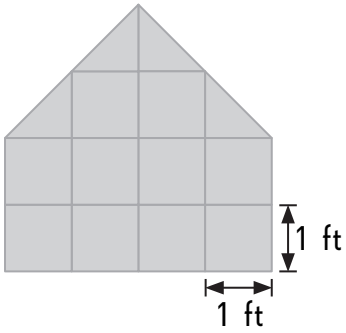
2.



Area = _____ m^2

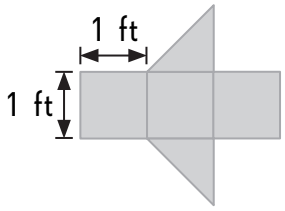
Find the area of each figure in square feet.

3.



Area = _____ ft^2

4.



Area = _____ ft^2

Name: _____ **Date:** _____

Use a meterstick and tape to make a square piece of paper with an area of 1 square meter.
Then use it to estimate the area of the following.

5. About how many square meters would cover your closet door?

_____ m^2

6. About how many square meters would cover the top of your bed?

_____ m^2

7. List two objects at home that have an area less than 1 square meter.

a. _____ **b.** _____

Use an inch ruler and tape to make a square piece of paper with an area of 1 square foot.
Then use it to estimate the area of the following.

8. About how many square feet would cover your dining table?

_____ ft^2

9. About how many square feet would cover your door?

_____ ft^2

10. List two objects at home that have an area greater than 1 square foot.

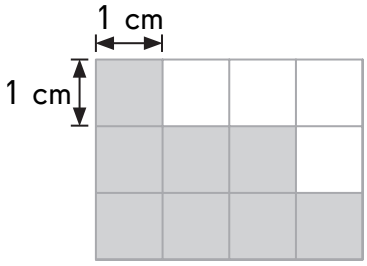
a. _____ **b.** _____

Name: _____ Date: _____

Lesson 19.4 Perimeter and Area

Find the perimeter and area of each shaded figure.

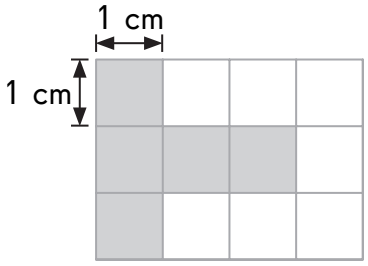
1.



Perimeter = _____ cm

Area = _____ cm^2

2.

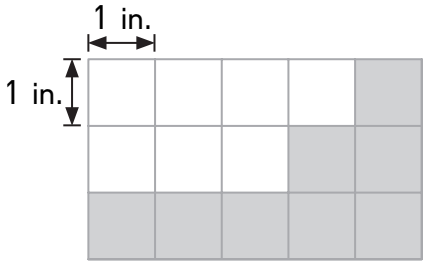


Perimeter = _____ cm

Area = _____ cm^2

Find the perimeter and area of each shaded figure.

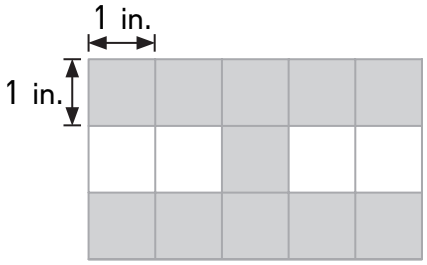
3.



Perimeter = _____ in.

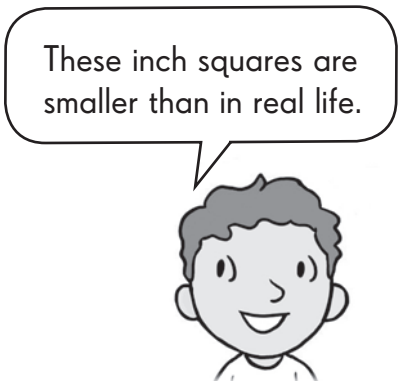
Area = _____ $in.^2$

4.



Perimeter = _____ in.

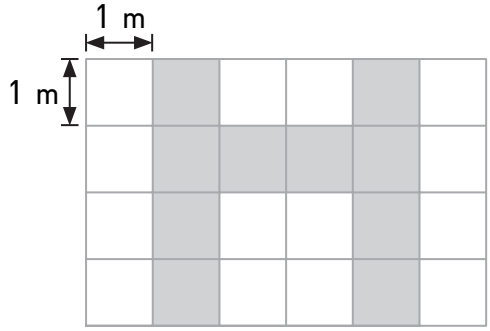
Area = _____ $in.^2$



Name: _____ Date: _____

Find the perimeter and area of each shaded figure.

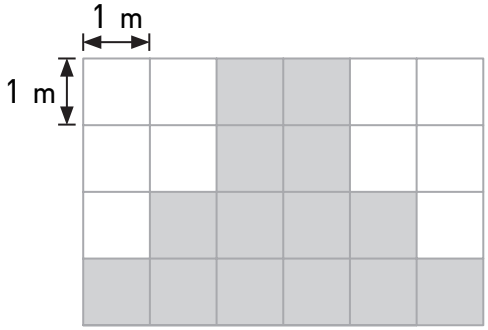
5.



Perimeter = _____ m

Area = _____ m^2

6.

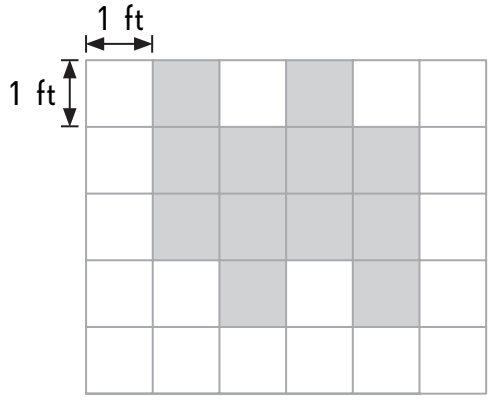


Perimeter = _____ m

Area = _____ m^2

Find the perimeter and area of each shaded figure.

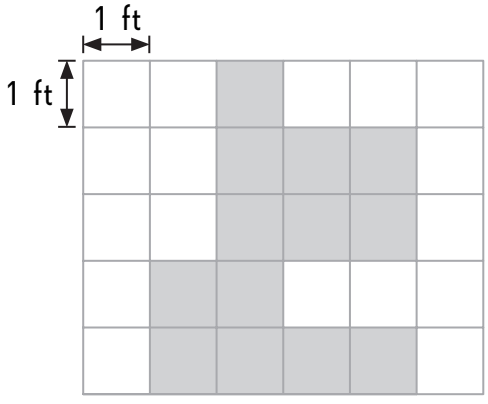
7.



Perimeter = _____ ft

Area = _____ ft^2

8.

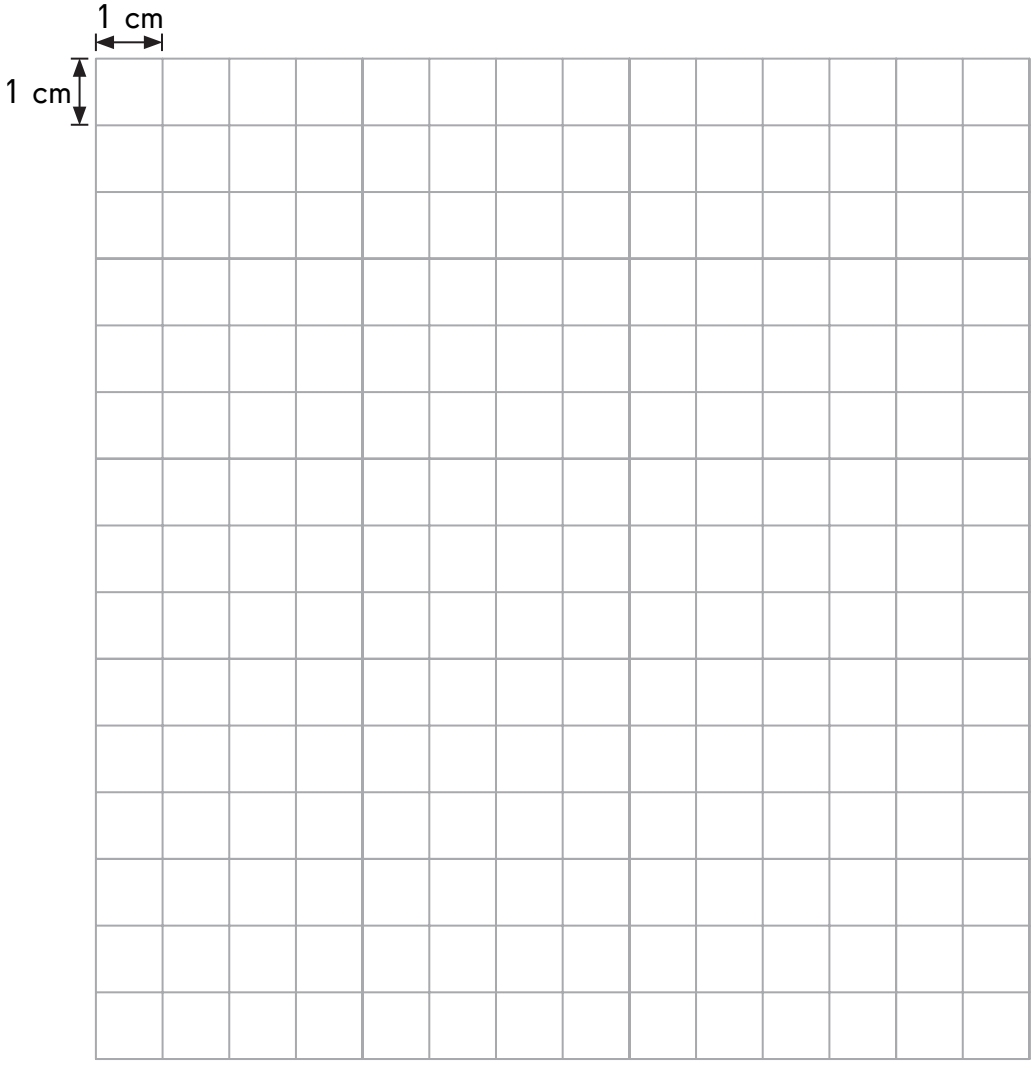


Perimeter = _____ ft

Area = _____ ft^2

Name: _____ **Date:** _____

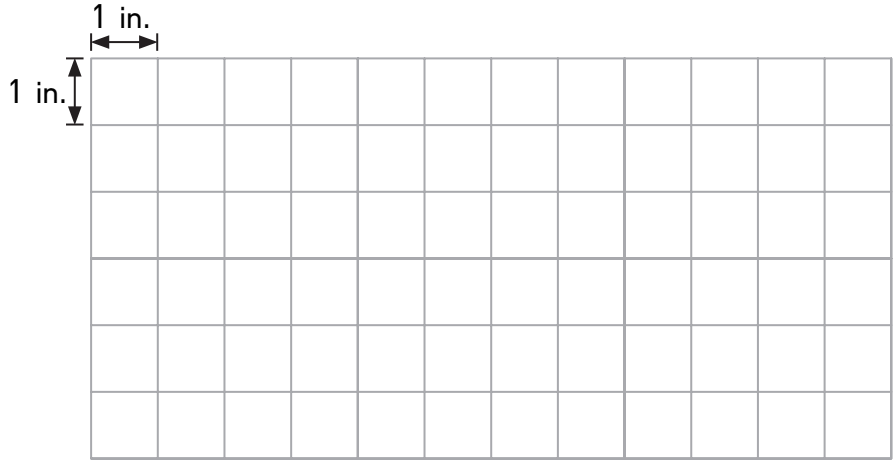
9. Draw and color two different figures each with a perimeter of 12 centimeters.



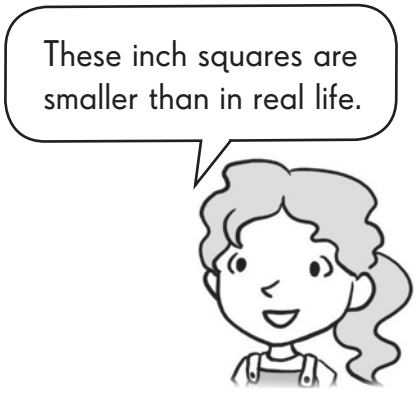
Do they have the same area? _____

Name: _____ **Date:** _____

10. Draw and color two different figures each with an area of 5 square inches.



Do they have the same perimeter?_____

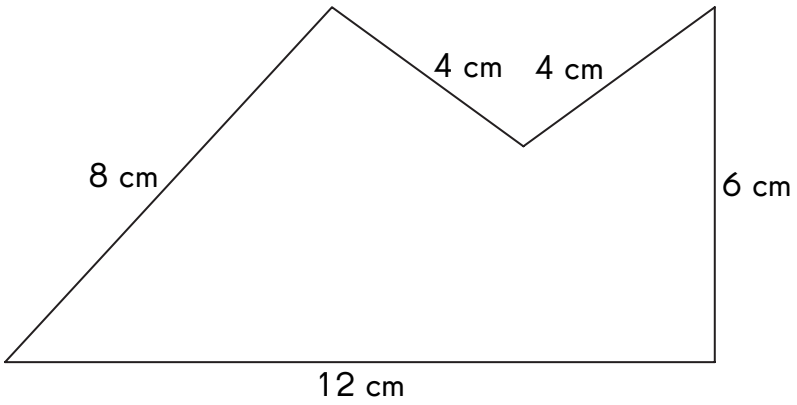


Name: _____ Date: _____

Lesson 19.5 More Perimeter

Find the perimeter of each figure.

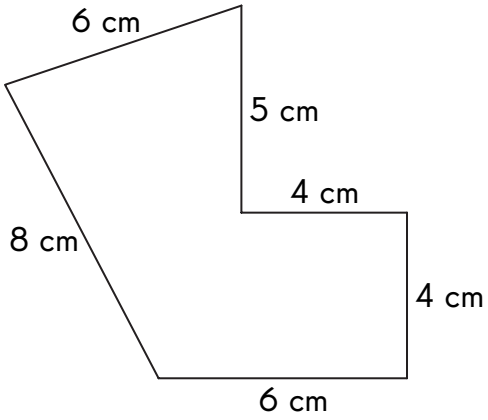
1.



Perimeter = _____ + _____ + _____ + _____ + _____

= _____ cm

2.

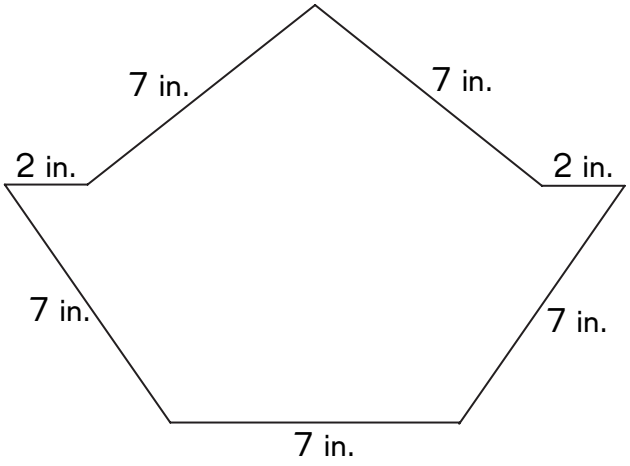


Perimeter = _____ + _____ + _____ + _____ + _____ + _____

= _____ cm

Name: _____ **Date:** _____

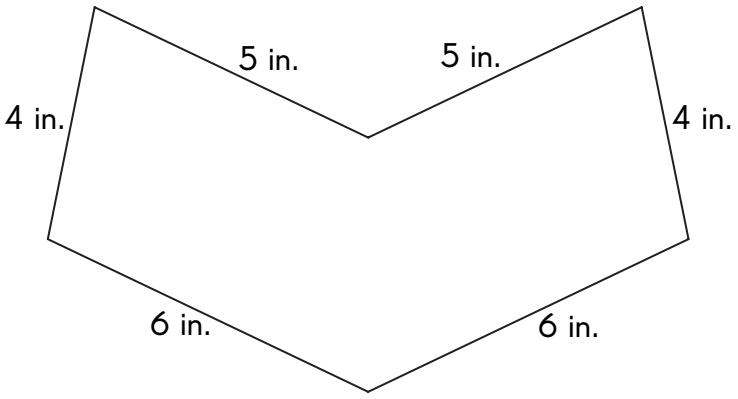
3.



Perimeter = ____ + ____ + ____ + ____ + ____ + ____ + ____

= ____ in.

4.



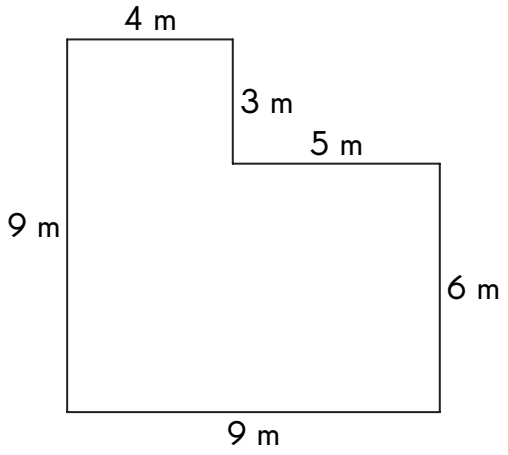
Perimeter = _____ + _____ + _____ + _____ + _____ + _____

= _____ in.

Name: _____ Date: _____

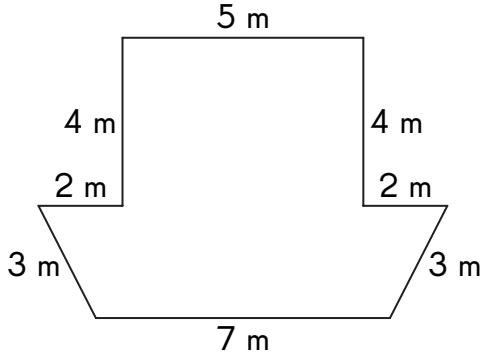
Find the perimeter of each figure.

5.



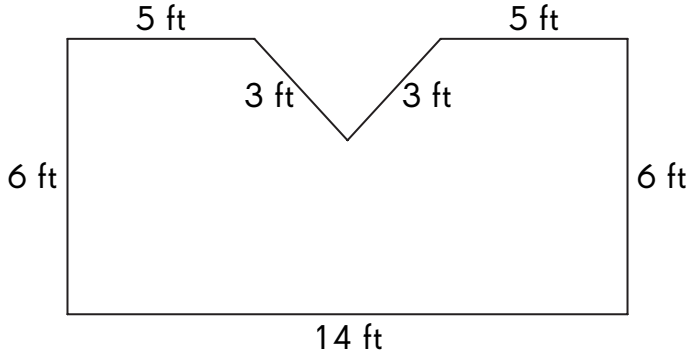
Perimeter = _____ m

6.



Perimeter = _____ m

7.



Perimeter = _____ ft

Name: _____ **Date:** _____

8. Each student in a group glued a ribbon around a square card that has a side of 15 centimeters. There are 3 students in the group. What was the total length of ribbon they used?

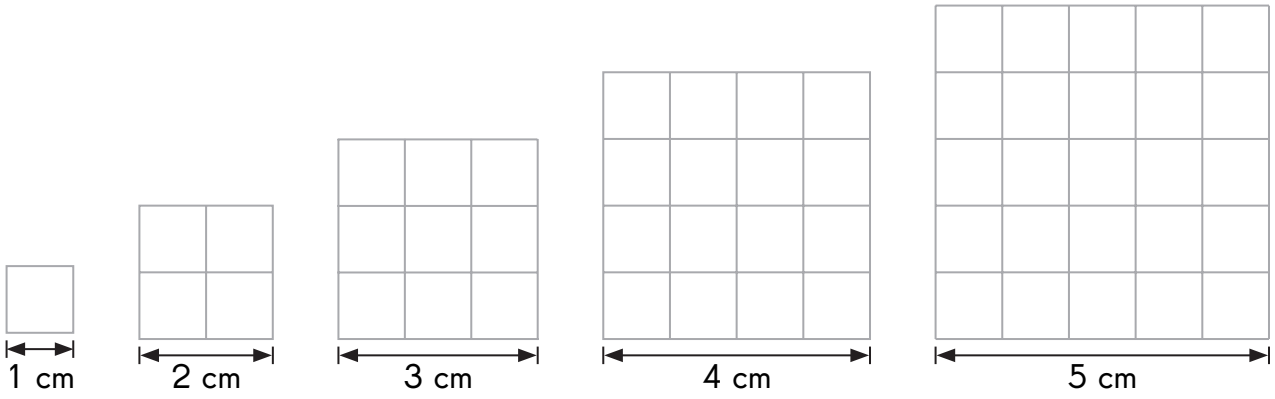
9. Three square tables are arranged next to each other to form one large rectangular table. The perimeter of the large rectangular table in 24 meters.
What is the perimeter of each square table?

Tables

Name: _____ Date: _____

Put on Your Thinking Cap!

Mason uses square tiles to form a series of squares as shown.



1. Find the perimeter and area of each square and complete the table.

Side Length (cm)	Perimeter (cm)	Area (cm^2)
1	4	1
2	8	4
3		
4		
5		

2. The smallest perimeter is _____ centimeters.

3. The largest area is _____ square centimeters.

Name: _____ **Date:** _____

Four rectangular tiles can be used to make two different rectangles as shown.

4. How many different rectangles can you make from twelve rectangular tiles? Draw the figures in the space below.

5. The figure below is made up of five squares of side 8 cm. Find the perimeter of the figure.