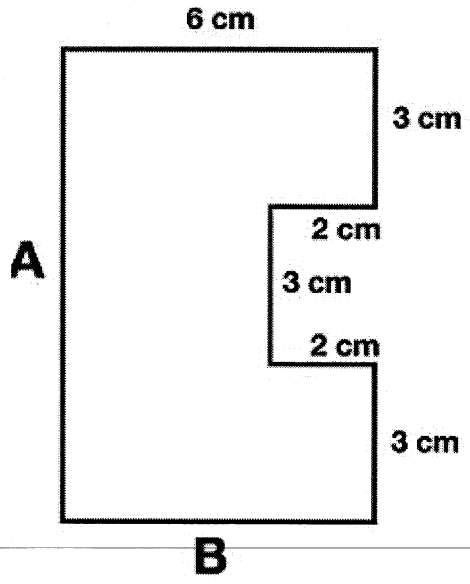
Name: _____

Perimeter



What is the length of side B? _____

Explain how you found the length of side B.

_____

_____

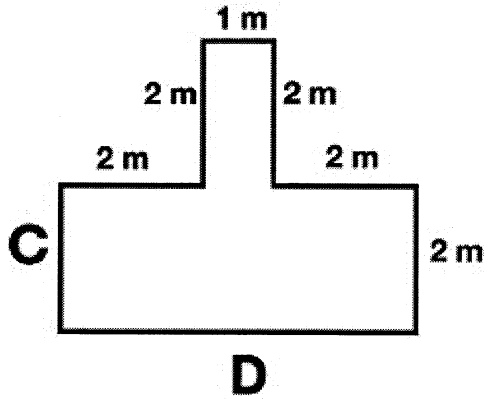
What is the length of side A? _____

Explain how you found the length of side A.

_____

_____

What is the perimeter of the shape? _____



What is the length of side C? _____

Explain how you found the length of side C.

_____

_____

What is the length of side D? _____

Explain how you found the length of side D.

_____

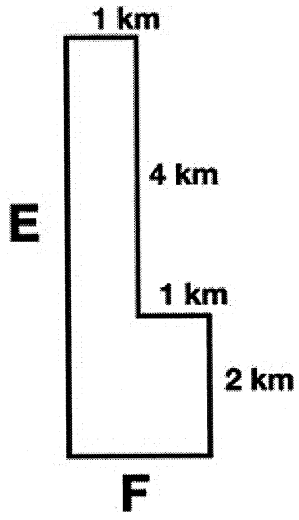
_____

What is the perimeter of the shape? _____

Name: _____

Side 2

Perimeter - Continued



What is the length of side E? _____

Explain how you found the length of side E.

_____

_____

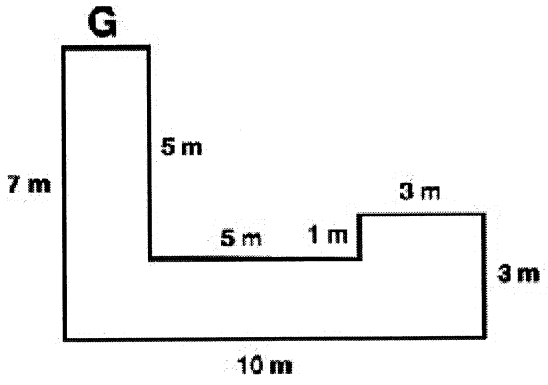
What is the length of side F? _____

Explain how you found the length of side F.

_____

_____

What is the perimeter of the shape? _____



What is the length of side G? _____

Explain how you found the length of side G.

_____

_____

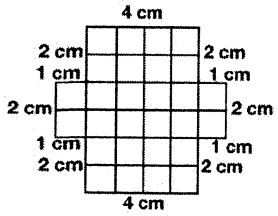
What is the perimeter of the shape? _____

Name: _____

Perimeter

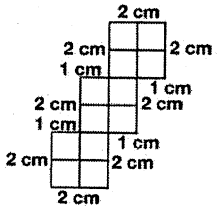
Add the lengths of the sides to determine the perimeter of each shape.
Units (cm) not drawn to scale.

1.



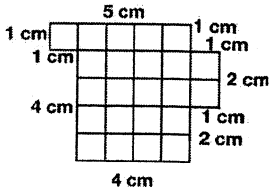
perimeter = _____

2.



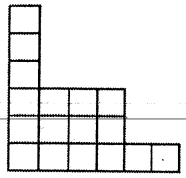
perimeter = _____

3.



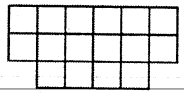
perimeter = _____

4.



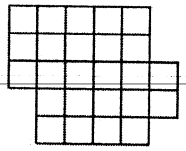
perimeter = _____

5.



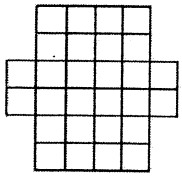
perimeter = _____

6.



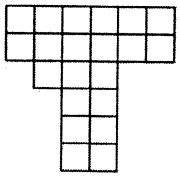
perimeter = _____

7.



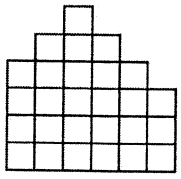
perimeter = _____

8.



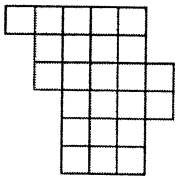
perimeter = _____

9.



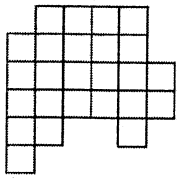
perimeter = _____

10.



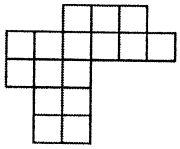
perimeter = _____

11.



perimeter = _____

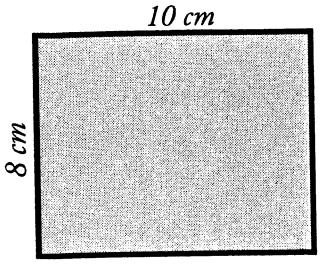
12.



perimeter = _____

Name: _____

Area of a Rectangle



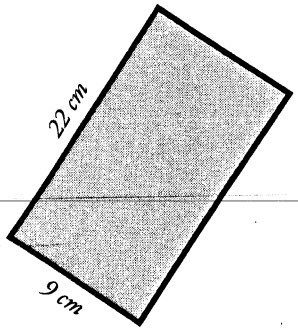
To find the area of a rectangle, use the formula **length x width = area.**
This formula is often written as $l \times w = A$.

The rectangle pictured here has a length of 10 cm and a width of 8 cm.
l = 10 cm
w = 8 cm
10 cm x 8 cm = 80 cm^2

Note that the area's unit is written as cm^2.
This is said as "square centimeters" or "centimeters squared".

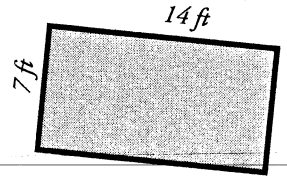
Find the area of each rectangle.

a.



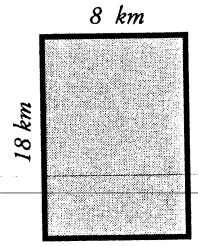
_____

b.



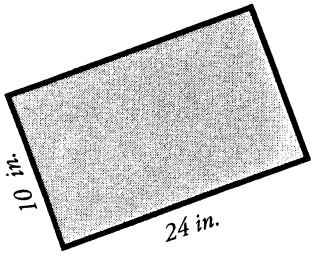
_____

c.



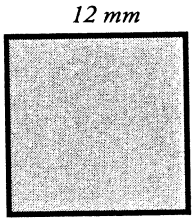
_____

d.



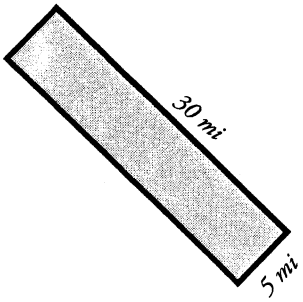
_____

e.



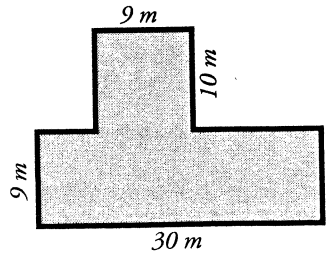
_____

f.



_____

Challenge: Find the area of the polygon. All corners are 90°. Use the back if you need work space.



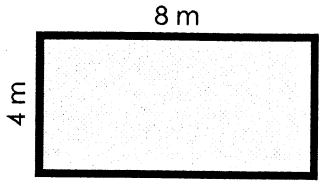
_____

Name: _____

Area of a Rectangle

To find the area of a rectangle, multiply the length by the width.

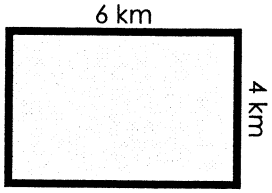
example:



area = 4 m x 8 m = **32 square meters**

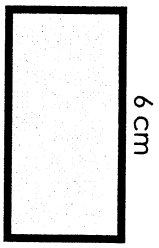
Find the area of each rectangle by multiplying

a.



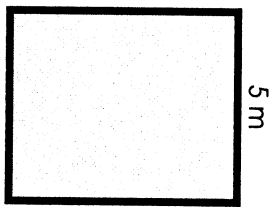
area = _____

b.



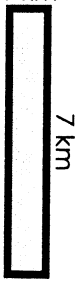
area = _____

c.



area = _____

d.

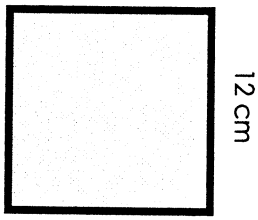


area = _____

e.

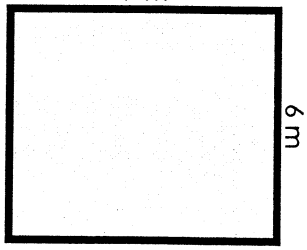
area = _____

f.



area = _____

g.

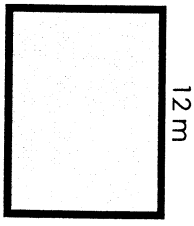


area = _____

h.

area = _____

i.

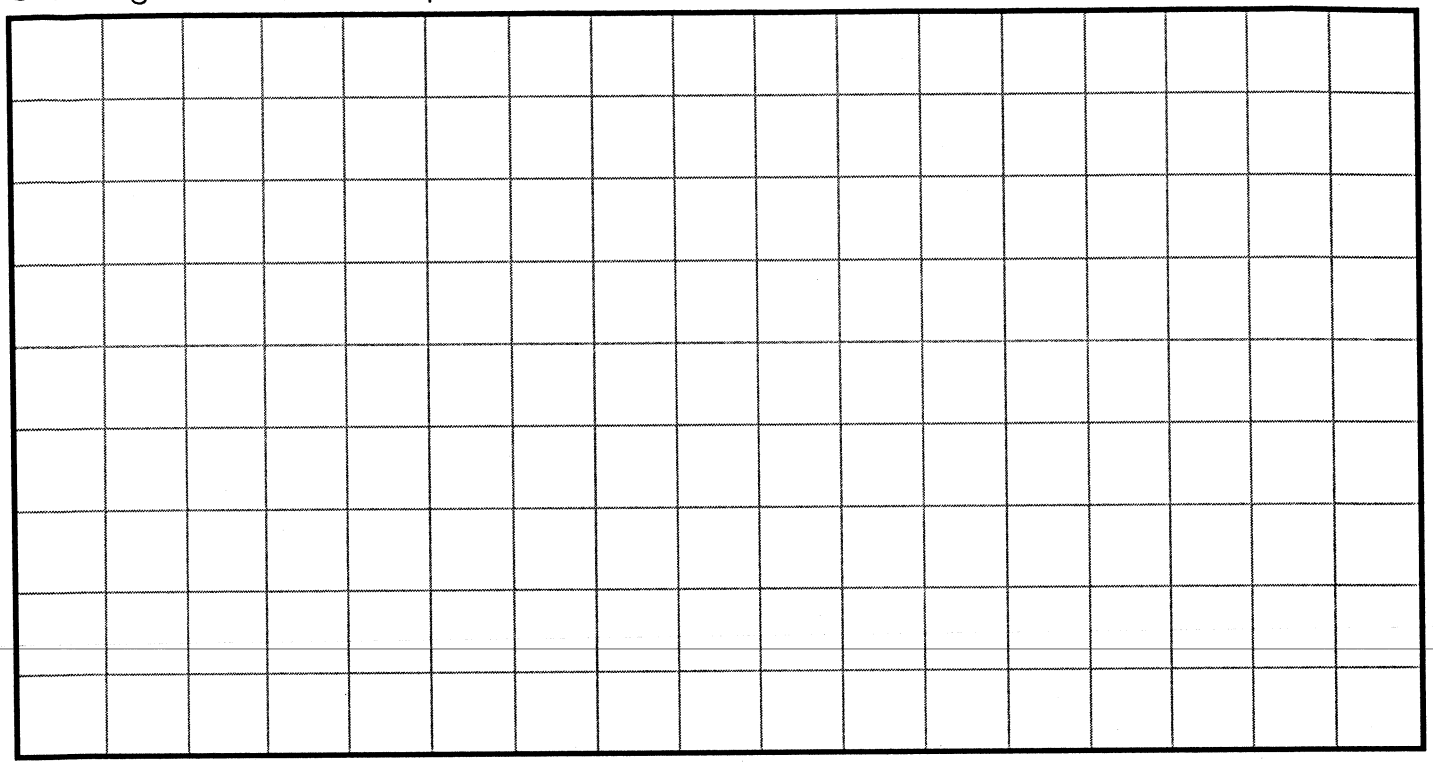


area = _____

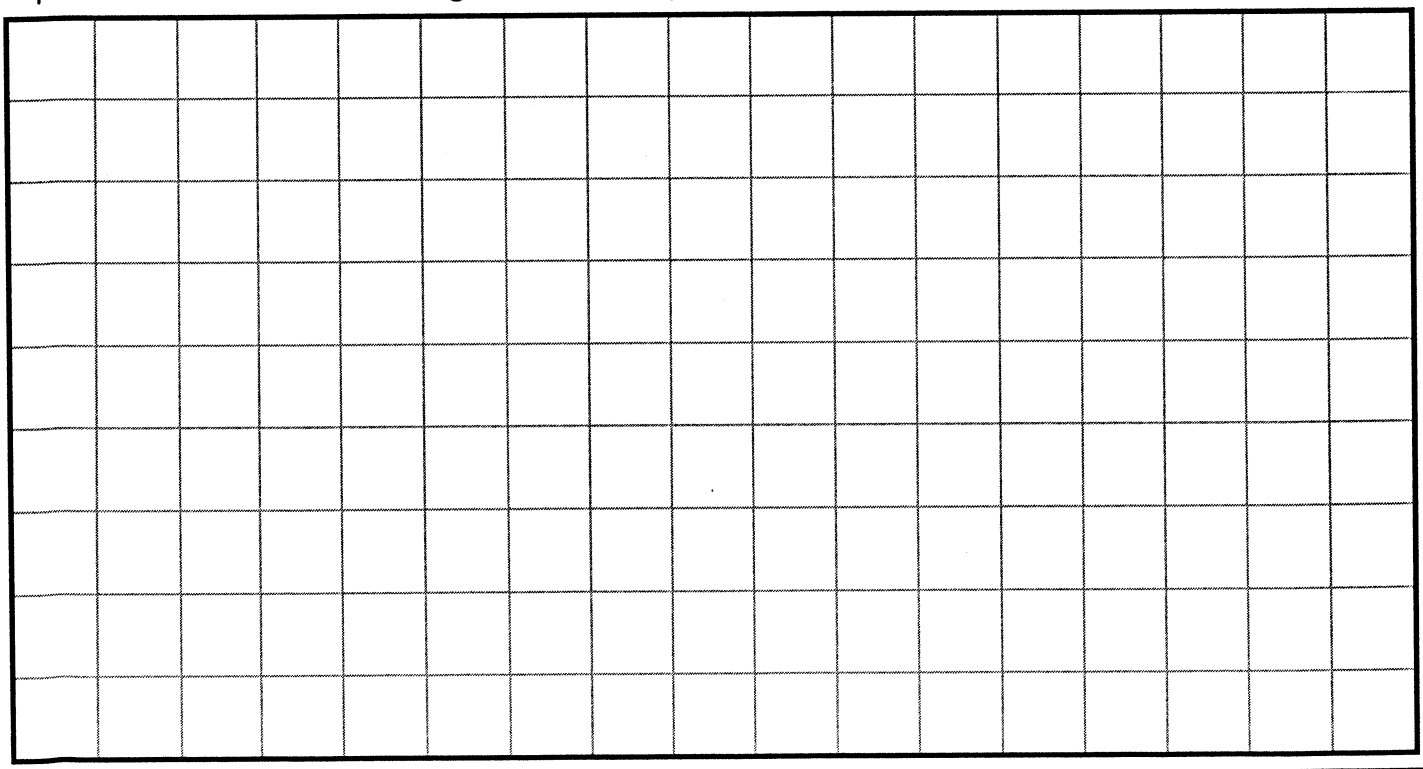
Name: _____

Area of a Rectangle

On the grid below, draw a quadrilateral that has an area of 20 square units.



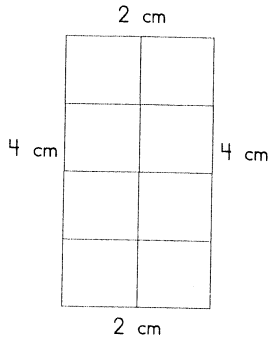
On the grid below, draw two squares and label them **A** and **B**.
Square **A** has an area of 4 square units.
Square **B** has an area 9 times greater than square **A**.



Name: _____

Area & Perimeter

Perimeter is the distance around a shape.
To find the perimeter, add the length of each side.



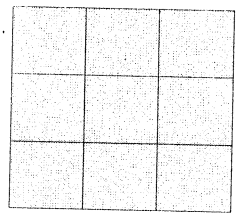
Perimeter = 12 cm

Area is the number of square units that can fit inside of a shape.
To find the area, count the square units.

Area = 8 cm^2

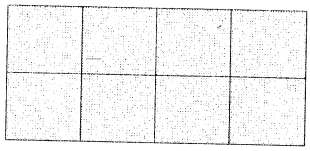
Directions: First, label the length of sides of each polygon.
Then, add to find the perimeter.
After that, count the squares to find the area.

Be sure you write ***cm*** next to each answer for perimeter and ***cm^2*** next to each answer for area.

1. 

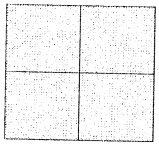
P = _____

A = _____

2. 

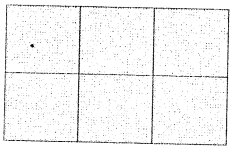
P = _____

A = _____

3. 

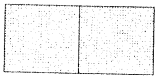
P = _____

A = _____

4. 

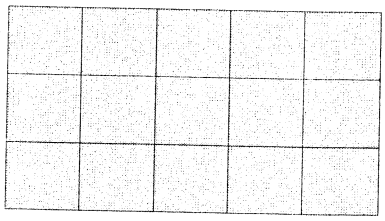
P = _____

A = _____

5. 

P = _____

A = _____

6. 

P = _____

A = _____

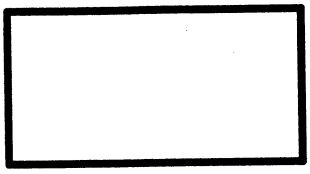
Name: _____

Area and Perimeter of Rectangles

Find the area and perimeter of each rectangle.

a.

12 cm



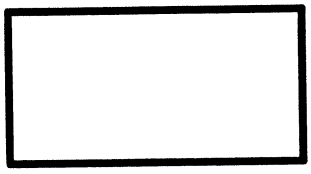
5 cm

perimeter = _____

area = _____

b.

9 m



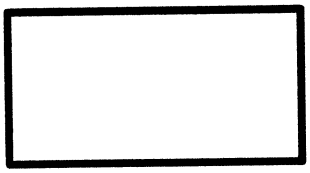
3 m

perimeter = _____

area = _____

c.

11 km



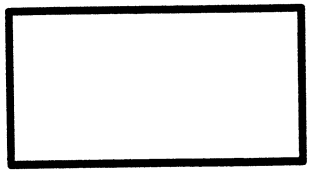
6 km

perimeter = _____

area = _____

d.

12 cm



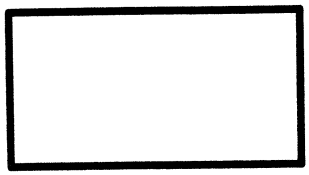
7 cm

perimeter = _____

area = _____

e.

8 cm



4 cm

perimeter = _____

area = _____