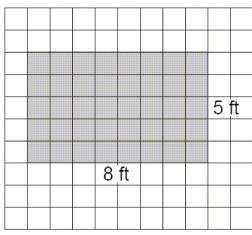
Area or Perimeter?

That is the question!

How to find area and perimeter of irregular shapes..

Area

• The number of <u>square units</u> needed to cover the region inside a figure.



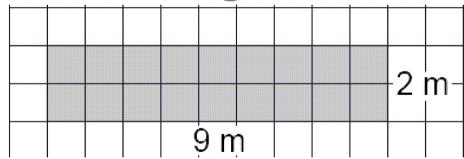
There are 40 squares covering the inside of the figure.

Area is always measured in <u>square units</u>!

Area

• To calculate the area of a regular figure use the formula:

Area = Length x Width



Area = 9m x 2m Area = 18 square meters

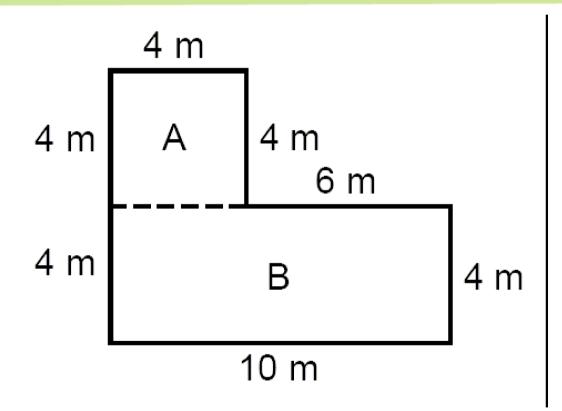
Area

To calculate the area of an irregular figure, follow these steps:

- 1. Divide the irregular figure into regular figures.
- 2. Look for missing measurements that you will need to find the area of each new regular figure.
- 3. Find the area of every regular figure.
- 4. Add the areas of each regular figure together to find the total area.

Step 1:

Divide the irregular figure into regular figures.



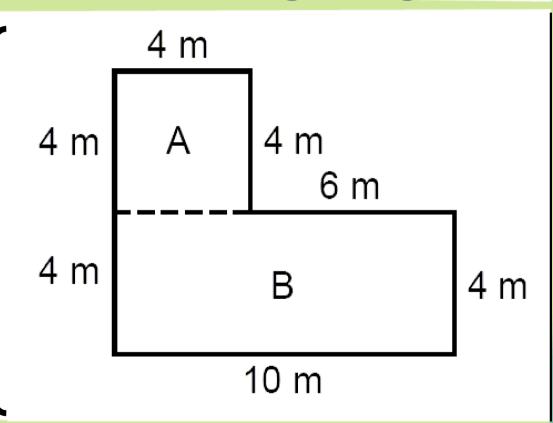
Step 2:

Look for missing measurements that you will need to find the area of each new regular figure.

This side was 8m but because you split it to make two regular rectangles, look carefully at every side of the figure to see what the new measurements will be!

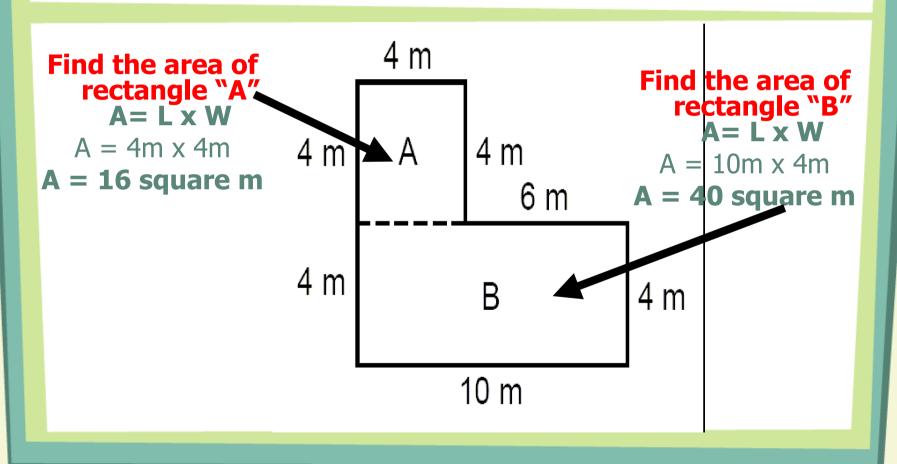
Don't forget the rule, opposite sides are equal!

This will help you find the missing measurements!



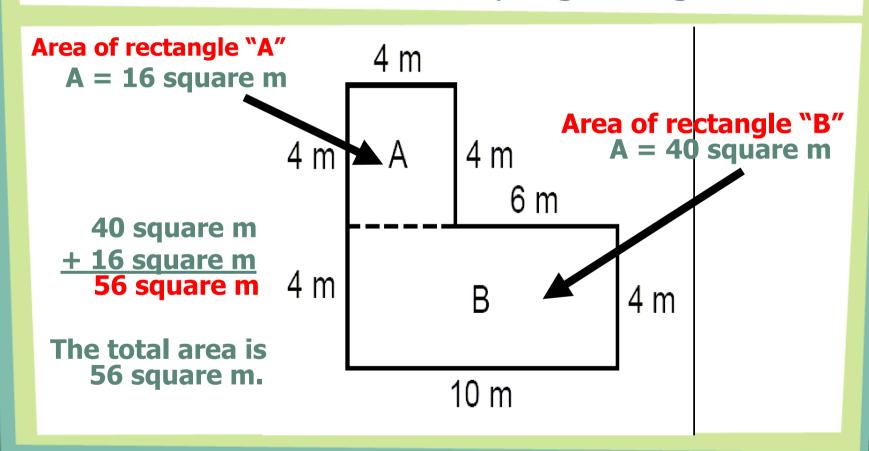
Step 3:

Find the area of every regular figure.

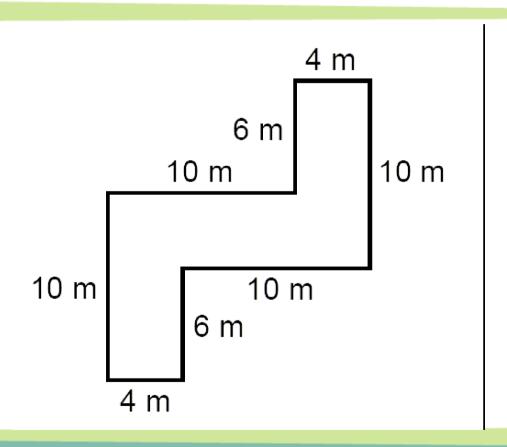


Step 4:

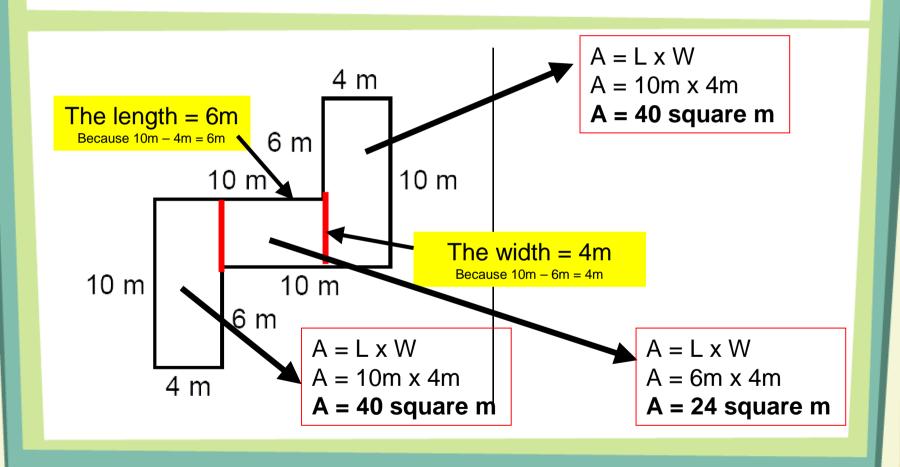
Add the areas of every regular figure.



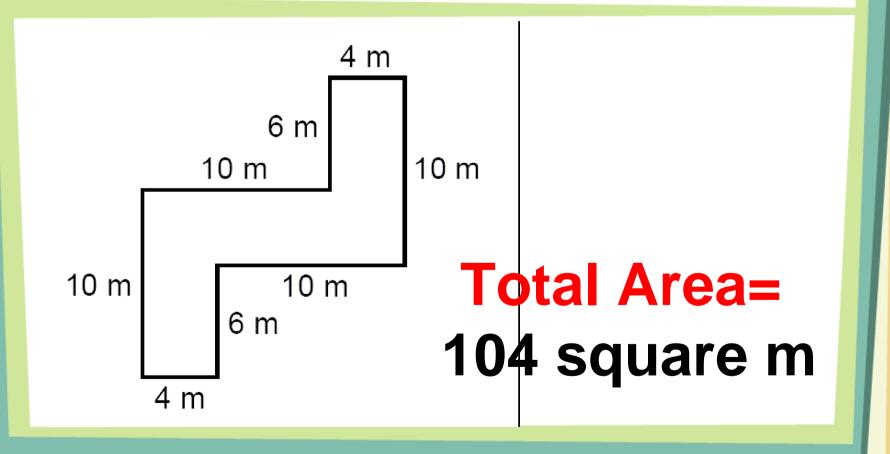
Now You Try! Find the area of this figure:



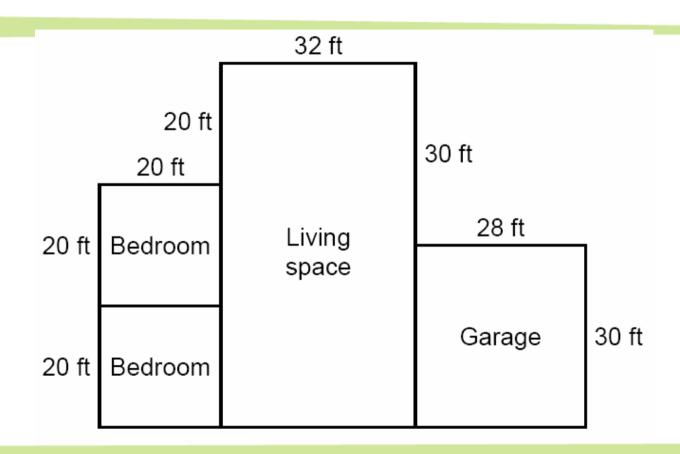
Work it out like this....



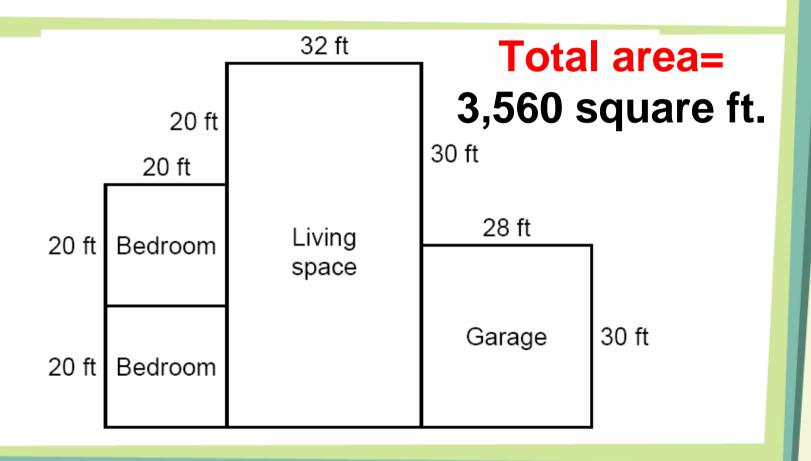
Did you get the right answer?



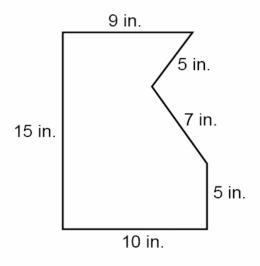
Try another one...



Did you get the right answer?



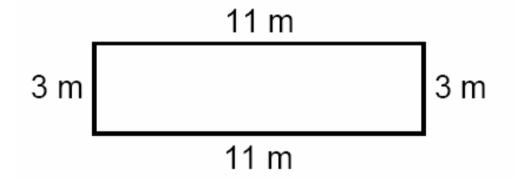
• The distance <u>around</u> a figure.



The perimeter of this figure is 51 inches.

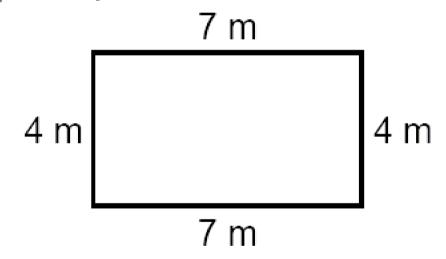
Perimeter is always measured in <u>linear units</u>.

• To calculate the perimeter of a regular figure add the lengths of all the sides!

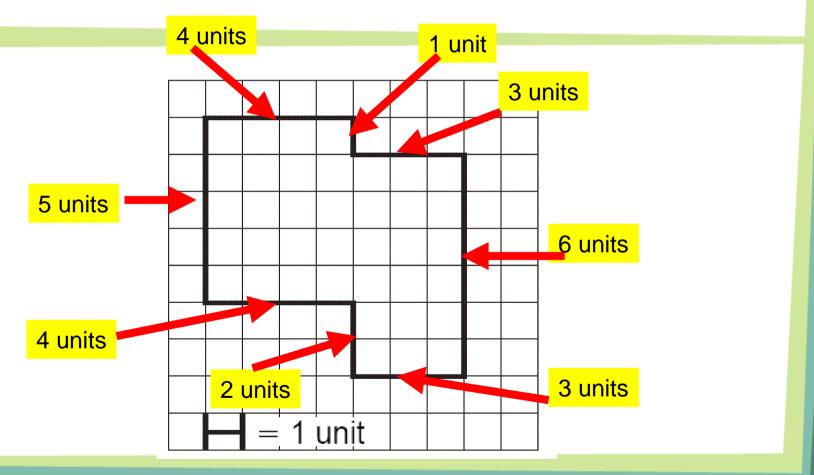


Perimeter = 11m + 3m + 11m + 3mPerimeter = 28 m

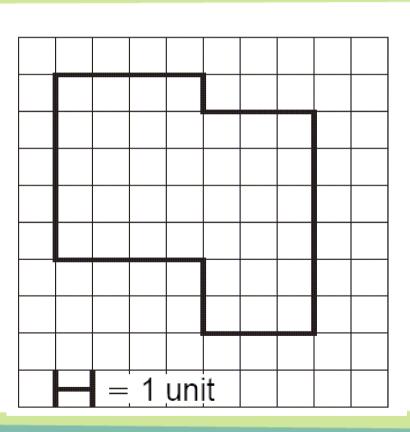
Now you try...



- Did you get P=7m + 4m + 7m + 4m?
- Perimeter=22m



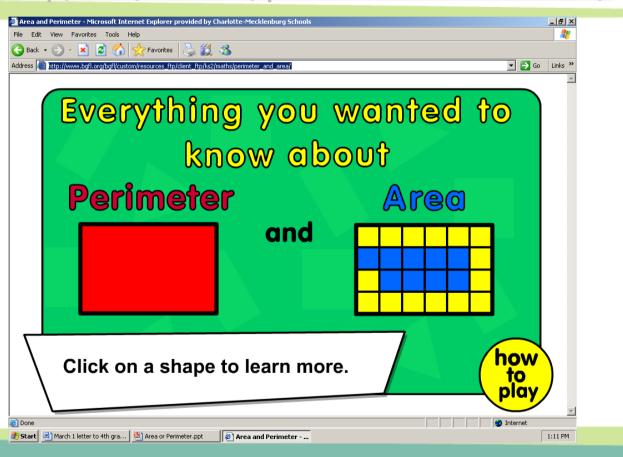
The perimeter of this shape is 28 units.



Area or Perimeter?

- tiles for a bathroom floor area
- lace for the edge of a tablecloth perimeter
- trim for the bulletin board in your classroom perimeter
- paint for a wall area
- grass seed for your front yard area
- M&M candies for the outside edge of a cake top perimeter
- carpet for the reading corner area
- fence for your backyard perimeter
- mulch to cover the playground area

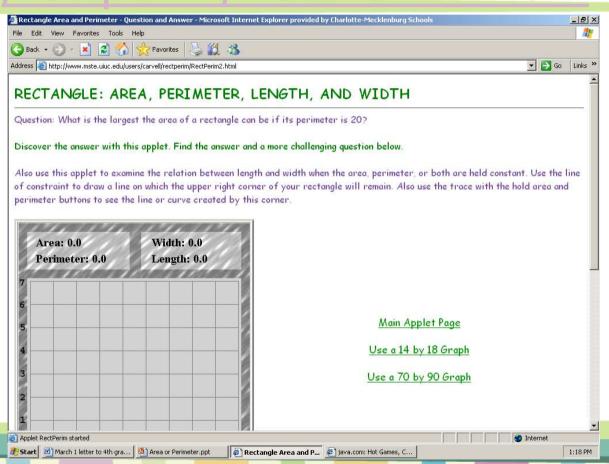
http://www.bgfl.org/bgfl/custom/resources ftp/cli ent ftp/ks2/maths/perimeter and area/



http://www.funbrain.com/poly/



http://www.mste.uiuc.edu/users/carvell/ /rectperim/RectPerim2.html



http://www.woodlandsjunior.kent.sch.uk/maths/measures.htm#Area

