

Name _____ Date _____ Hour _____

Perimeter

- The distance around a figure.

The perimeter of this shape is **28 units**.
 $9 + 5 + 7 + 5 + 10 + 5 = 51 \text{ in}$

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

Perimeter = $11 \text{ m} + 3 \text{ m} + 11 \text{ m} + 3 \text{ m}$
 Perimeter = 28 m

Perimeter is always measured in linear units.

Now you try...

Work: $7 + 4 + 7 + 4$
 Perimeter: 22 m

Try another one...

Work: $32 + 30 + 28 + 30$
 $+ 28 + 32 + 20 + 20$
 $120 + 20 + 20$
 Perimeter: 280 ft

Area

- The number of square units needed to cover the region inside a figure.

There are 40 squares covering the inside of the figure.
 $5 \times 8 = 40 \text{ units}^2$

- Area is always measured in square units!

To find the area of a rectangle, find the total number of square units.

There are 3 rows of 5 squares.
 $3 \times 5 = 15 \text{ units}^2$
 So, the area of the Rectangle is 15 square units.

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

Area = Length x Width

Find the area of each rectangle.

Area = $2 \times 6 = 12 \text{ units}^2$

Area = $9 \text{ m} \times 2 \text{ m}$
 Area = 18 square meters

Area = $4 \times 8 = 32 \text{ units}^2$

Find the area of each rectangle.

Area: $4 \text{ yd} \times 6 \text{ yd} = 24 \text{ yd}^2$

Area: $2 \text{ in} \times 7 \text{ in} = 14 \text{ in}^2$

Area: $5 \times 5 = 25 \text{ ft}^2$