GEOMETRY

'Area and Perimeter'

Now we'll learn how to find the perimeter and area of square and rectangle.
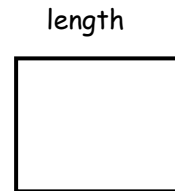
<u>PERIMETER</u> is the total distance around a figure

➔ Perimeter = sum of the lengths of all the sides of a figure

A SQUARE has 4 sides of equal length.
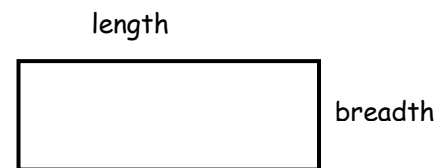
Perimeter of square = length + length + length + length

Perimeter of square = 4 × length of a side

length

A RECTANGLE has opposite sides of equal length.

Perimeter of rectangle = length + breadth + length + breadth

Perimeter of rectangle = 2×(length + breath)

length

breadth

To find the <u>AREA</u> of a rectangle or a square, we simply multiply the length of a figure by its breadth.

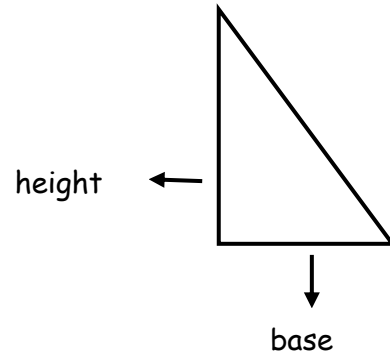**Area of a rectangle = length × breadth**

Area of a square = length × length (since all the sides are equal length)

To find the <u>PERIMETER</u> of a triangle, we simply add the length of all its three sides.

Perimeter of a triangle = side + side + side

To find the <u>AREA</u> of a triangle, we simply multiply the height of a triangle with its base and then divide it by 2.

Area of a triangle = $\frac{1}{2}$ × (height × base)

height ←

base

REMEMBER!

If the unit of the measurements is in cm, then

The **unit of perimeter** will be **'cm'** and the **unit of area** will be **'cm^2'**.