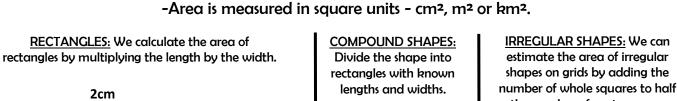


Area of Rectangles, Compound and Irregular Shapes

-Area is the term used to describe the amount of space taken up by a 2D shape or surface.



7cm

12cm

Α

В

3cm

A = 12cm x 5cm =

rectangle B = 7cm x

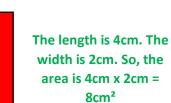
 $60cm^2 + 21cm^2 = 81cm^2$

60cm². Area of

3cm = 21cm²

-E.g. area of rectangle

5cm



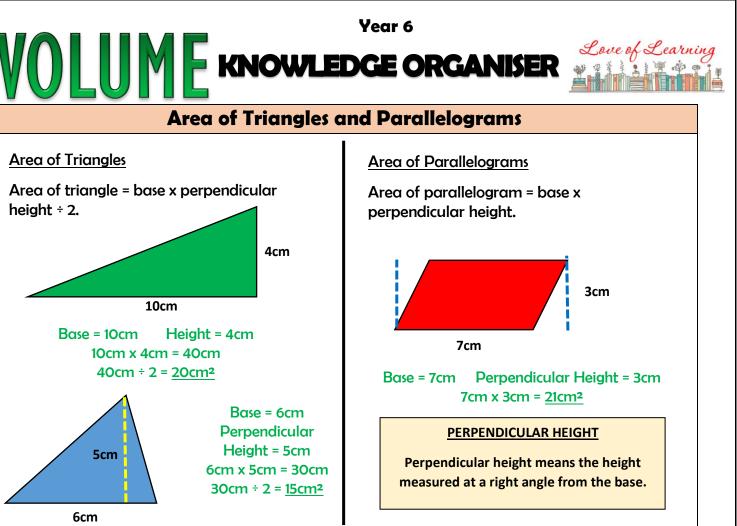
4cm

We can calculate the area of a rectangle on a grid. E.g. this rectangle is 6 squares x 3 squares = 18 squares. the number of part squares.



E.g. Whole squares = 7 Part squares = 18

-Estimate = 7cm (whole squares) + 9cm (half part squares) = 16cm²



Perimeter and Area/ Volume

Perimeter and Area

-It is important to remember that shapes with the same perimeter can have different areas.

-Likewise, shapes with the same area can have different perimeters.

-See the example on the right.

Volume of Cuboids

The volume of a cuboid is the length x the width x the height.

The volume is presented in cm/m³ (cubed).

E.g. The volume of the cuboid on the right is: 6cm x 3cm x 2cm = 36cm³.

						abulary		
Lengt	n Height	Width	Area	Perimeter	Volume	Base	Rectilinear	Kilometre (km)

