Area

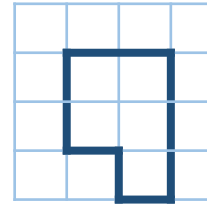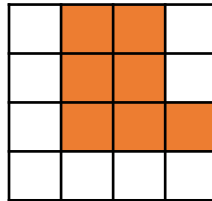## How much space there is on a flat surface.

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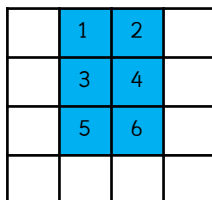
Surface

The outer layer or face of an object.

Run your hands over the surface of your table or your maths book.

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Area – Counting Squares

You can put a shape on a grid and find the area by counting the number of squares.
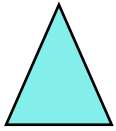
1	2
3	4
5	6
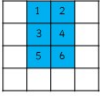
When each square measures 1cm by 1cm, then the area is $6cm^2$ - 6 square cm
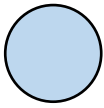
The rectangle has an area of 6. masterthecurriculum.co.uk
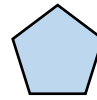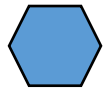
2-D Shape

2-D Shapes are flat. You cannot pick up a 2-D shape.

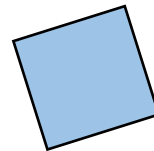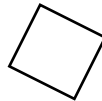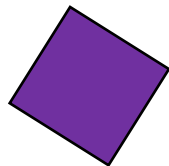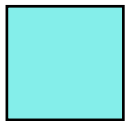Triangle　　Circle　　Square　　Rectangle　　Pentagon　　Hexagon

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Square

Squares are 2-D shapes.
They have 4 equal sides and 4 vertices.

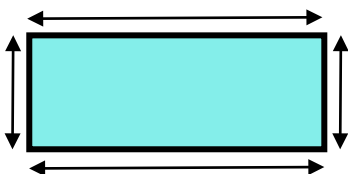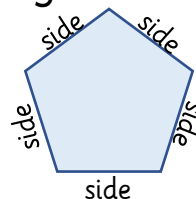*masterthecurriculum.co.uk*

Sides

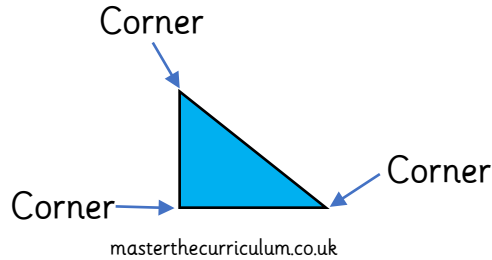The lines that make a 2-D shape.

A rectangle has 4 sides.

A pentagon has 5 sides.

side　side　side　side　side

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Corner

A corner joins sides in 2-D shapes.

Corner
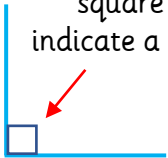
Corner

Corner

Right Angle

A right angle is exactly 90 degrees and looks like a corner of a square.
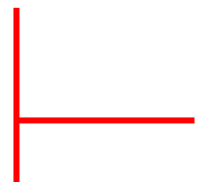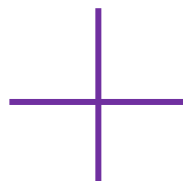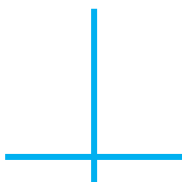
You might see a square used to indicate a right angle.

Even if you turn the right angle, it is still a right angle!
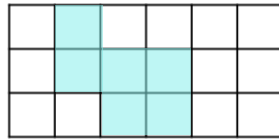
Perpendicular Line

A perpendicular line meets at a right angle.

Rectilinear

A figure where all edges meet at right angles.
The figures all have straight lines.

Systematic

An order when you are working something out.
You might see a pattern when you are working in a systematic way.

$20 = 19 + 1$
$20 = 18 + 2$

What is next?

$16 = 16 + 0$
$16 = 15 + 1$
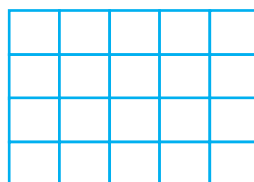
Strategy

A method you can use to find a solution to a problem.
These are different strategies for finding the area of the shape.
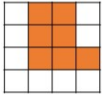
$5 + 5 + 5 + 5 = 20$

$4 \times 5 = 20$

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Triangle Circle Square Rectangle Pentagon Hexagon

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side side side side side

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Corner   Corner

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2D Shape		Square		Corners			
Sides		Right Angles		Perpendicular			
Rectilinear		Systematic		Strategy			

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