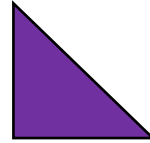
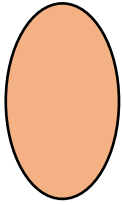


# Shape

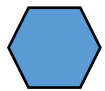
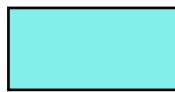
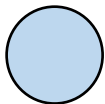
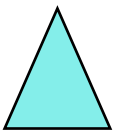
The outline of an object.



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# 2-D Shape

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



Triangle

Circle

Square

Rectangle

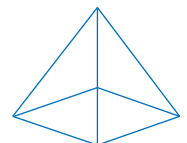
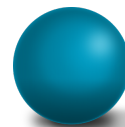
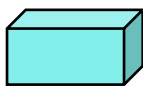
Pentagon

Hexagon

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# 3-D Shape

3-D Shapes are 3 dimensional. You can pick up a 3-D shape.



Cylinder

Cuboid

Cube

Tetrahedron

Sphere

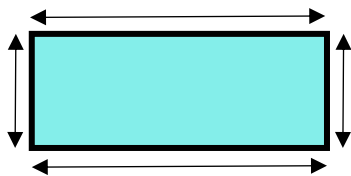
Square-based  
Pyramid

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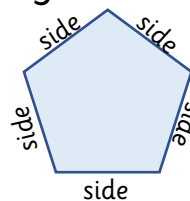
# Sides

The lines that make a 2-D shape.

A rectangle has 4 sides.



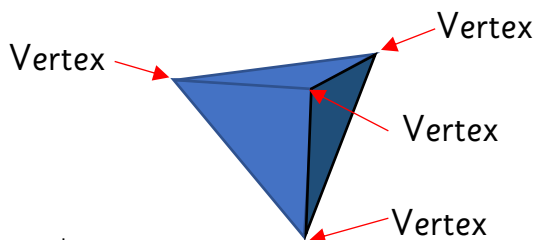
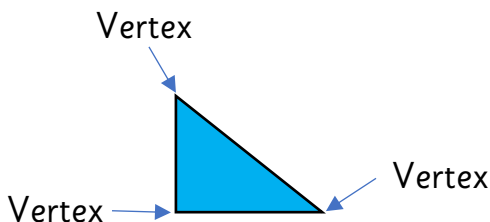
A pentagon has 5 sides.



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# Vertex/Vertices

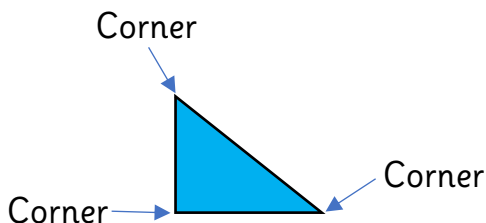
A vertex joins edges in 2D and 3D shapes.



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# Corner

A corner joins sides in 2-D shapes.

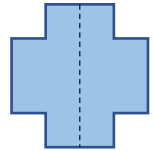
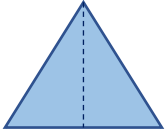


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# Symmetrical

A shape is symmetrical if one side is the same as the other.

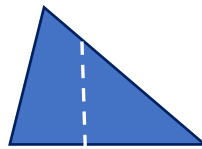
A shape is symmetrical if you can fold it and it one half covers the other half exactly.



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# Non-symmetrical

Non-symmetrical shapes will not be equal if you fold it in half.



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Vertex

# Polygon

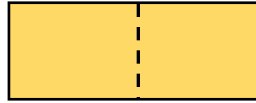
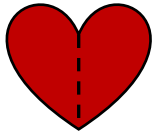
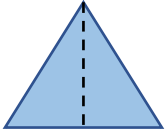
A 2-D shape with straight sides.



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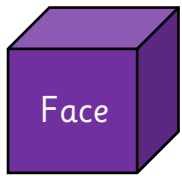
# Vertical line of symmetry

This is the line that divides the shape to show the equal parts.  
Vertical lines run up and down.



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# Faces



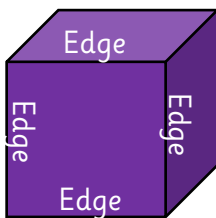
3-D shapes have faces.  
They are the flat surfaces on a 3D shape.



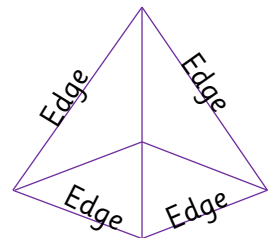
A cylinder has 2 faces  
and a curved face.

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# Edges



An edge is where 2 faces meet.



A cube has 12 edges.

A pyramid has 8 edges.

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# Orientation

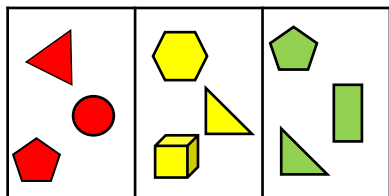
The changed position of a shape.  
This shows a square in different orientations.



# Sorting

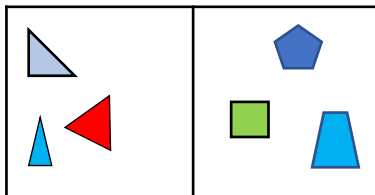
To put objects into groups.

Sorted by colour.



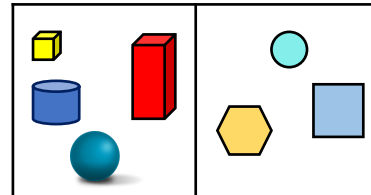
3 sides

4 or more



3-D

2-D



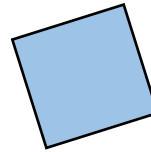
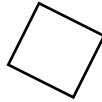
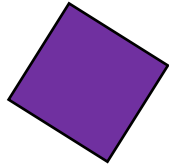
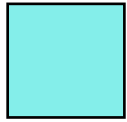
# Patterns

A shape pattern contains shapes that have been repeated.



# Square

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

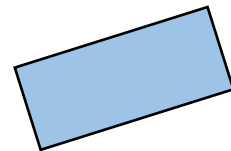
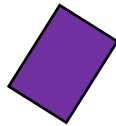
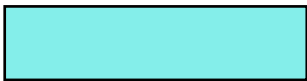


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# Rectangle

A rectangle is a 2-D shape.  
It has 4 sides and 4 vertices.

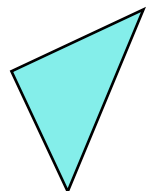
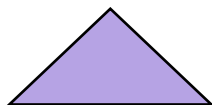
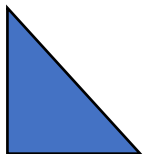
A square can be a rectangle but a rectangle cannot be a square!



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# Triangle

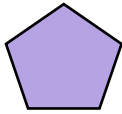
A triangle is a 2-D shape.  
It has 3 sides and 3 vertices.



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# Pentagon

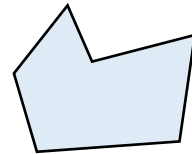
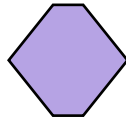
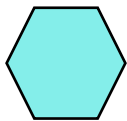
A pentagon is a 2-D shape. It has 5 sides and 5 vertices.



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# Hexagon

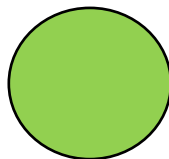
A hexagon is a 2-D shape. It has 6 sides and 6 vertices.



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# Circle

A circle is a 2-D shape. It has one continuous side.



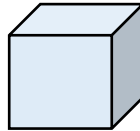
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# Cube

A cube is a 3-D shape.

12 edges

6 identical faces



8 vertices

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# Cuboid

A cuboid is a 3-D shape.

12 edges

6 faces



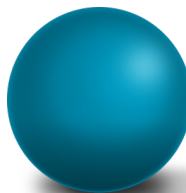
8 vertices

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# Sphere

A sphere is a 3-D shape.

1 curved face



0 edges

0 vertices

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# Cylinder

A cylinder is a 3-D shape.

3 faces



2 edges

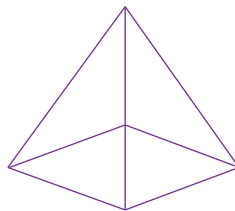
0 vertices

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# Pyramid

A pyramid is a 3-D shape. This is a square-based pyramid.

5 faces



5 vertices

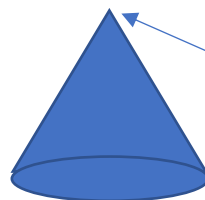
8 edges

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# Cone

A cone is a 3-D shape.

2 faces



The point is called an apex.

1 edge

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# Angle

An angle is formed when two straight lines meet.

Angles can be different sizes.

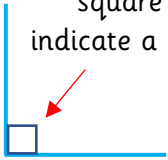


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# Right Angle

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!



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# Acute Angle

Acute angles are angles that are smaller than a right angle.

Look at the acute angles compared with the right angle.

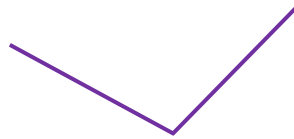
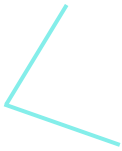


Right angle

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# Obtuse Angle

Obtuse angles are angles that are greater than a right angle.  
Look at the obtuse angles compared with the right angle.

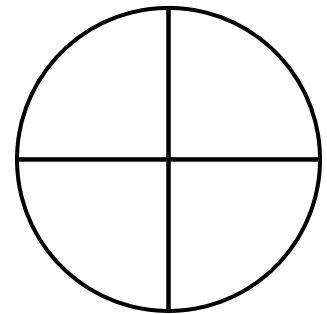


Right angle

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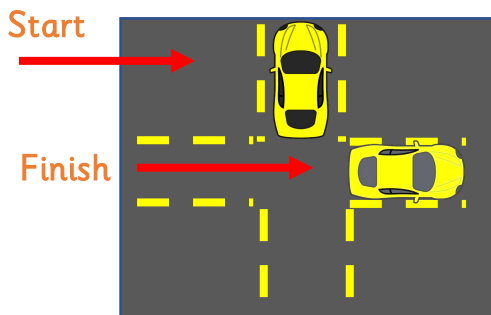
# Turns

When we turn, we can use the shape of a circle and our knowledge of right angles.

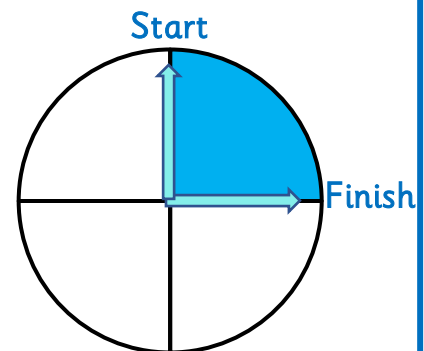


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# Quarter Turn

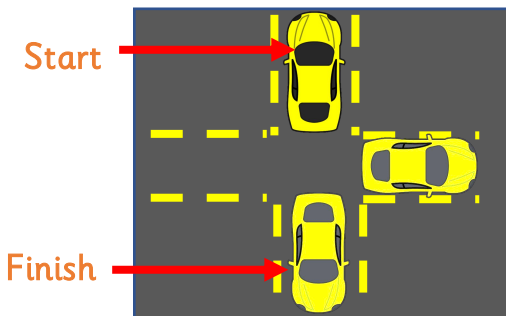


A quarter turn =  
1 right angle

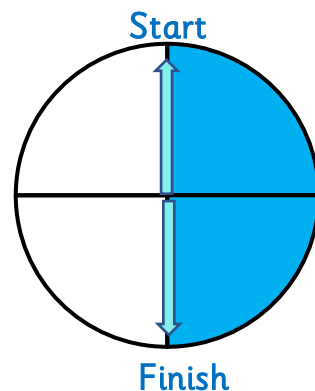


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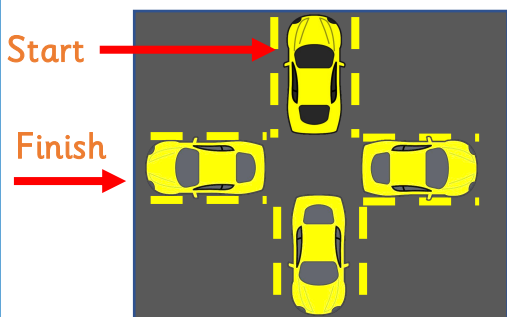
# Half Turn



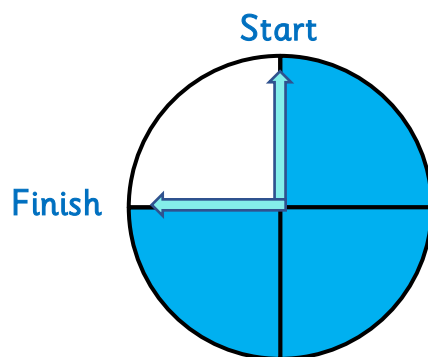
A half turn =  
2 right angles



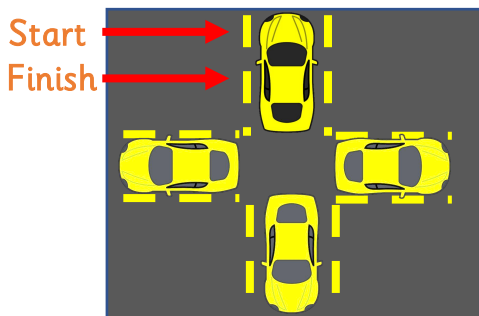
# Three-quarter Turn



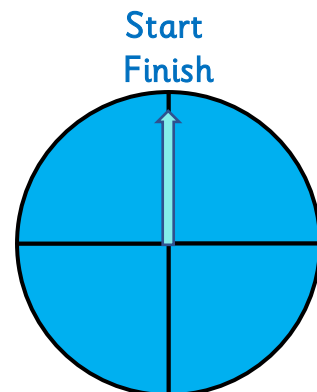
A three-quarter  
turn = 3 right  
angles



# Full Turn

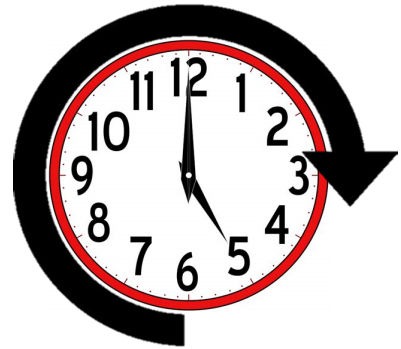


A full turn = 4 right  
angles



# Clockwise

When you turn in the same direction as a clock.



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# Anti-clockwise

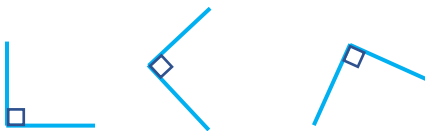
When you turn in the opposite direction as a clock.



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# Orientation

The way a shape or angle is pointing.



A right angle in different orientations



A rectangle in different orientations

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# Horizontal Line

A horizontal line is a line that goes from left to right.



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# Vertical Line

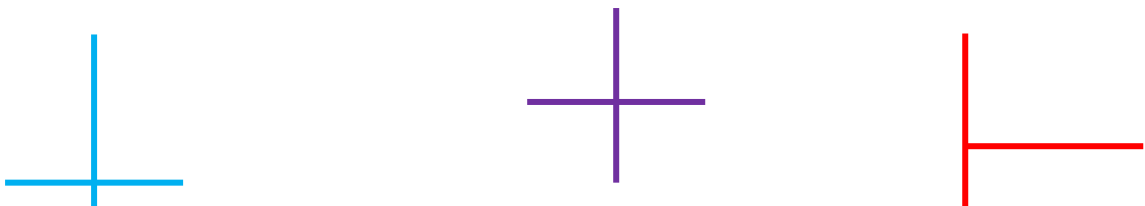
A vertical line is a line that goes up and down.



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# Perpendicular Line

A perpendicular line meets at a right angle.



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Geometry - Shape Year 3

# Shape

The outline of an object.

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Geometry - Shape Year 3

# Sides

The lines that make a 2-D shape.

A rectangle has 4 sides.

A pentagon has 5 sides.

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Geometry - Shape Year 3

# Orientation

The changed position of a shape.

This shows a square in different orientations.

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Geometry - Shape Year 3

# 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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Geometry - Shape Year 3

# Vertex/Vertices

A vertex joins edges in 2D and 3D shapes.

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Geometry - Shape Year 3

# Sorting

To put objects into groups.

Sorted by colour.

3 sides 4 or more

3-D 2-D

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Geometry - Shape Year 3

# 3-D Shape

3-D Shapes are 3 dimensional. You can pick up a 3-D shape.

Cylinder Cuboid Cube Tetrahedron Sphere Square-based Pyramid

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Geometry - Shape Year 3

# Corner

A corner joins sides in 2-D shapes.

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Geometry - Shape Year 3

# Patterns

A shape pattern contains shapes that have been repeated.

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Geometry - Shape Year 3

# Pentagon

A pentagon is a 2-D shape. It has 5 sides and 5 vertices.

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Geometry - Shape Year 3

# Square

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

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Geometry - Shape Year 3

# Symmetrical

A shape is symmetrical if one side is the same as the other. A shape is symmetrical if you can fold it and it one half covers the other half exactly.

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Geometry - Shape Year 3

# Hexagon

A hexagon is a 2-D shape. It has 6 sides and 6 vertices.

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Geometry - Shape Year 3

# Rectangle

A rectangle is a 2-D shape. It has 4 sides and 4 vertices. A square can be a rectangle but a rectangle cannot be a square!

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Geometry - Shape Year 3

# Non-symmetrical

Non-symmetrical shapes will not be equal if you fold it in half.

Vertex

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Geometry - Shape Year 3

# Circle

A circle is a 2-D shape. It has one continuous side.

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Geometry - Shape Year 3

# Triangle

A triangle is a 2-D shape. It has 3 sides and 3 vertices.

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Geometry - Shape Year 3

# Polygon

A 2-D shape with straight sides.

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Geometry - Shape Year 3

# Vertical line of symmetry

This is the line that divides the shape to show the equal parts. Vertical lines run up and down.

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Geometry - Shape Year 3

# Faces

3-D shapes have faces. They are the flat surfaces on a 3D shape.

A cylinder has 2 faces and a curved face.

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Geometry - Shape Year 3

# Edges

An edge is where 2 faces meet.

A cube has 12 edges. A pyramid has 8 edges.

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Geometry - Shape Year 3

## Cube

A cube is a 3-D shape.

12 edges  
6 identical faces  
8 vertices

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Geometry - Shape Year 3

## Cylinder

A cylinder is a 3-D shape.

3 faces  
2 edges  
0 vertices

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Geometry - Shape Year 3

## Angle

An angle is formed when two straight lines meet.

Angles can be different sizes.

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Geometry - Shape Year 3

## Cuboid

A cuboid is a 3-D shape.

12 edges  
6 faces  
8 vertices

masterthecurriculum.co.uk

Geometry - Shape Year 3

## Pyramid

A pyramid is a 3-D shape. This is a square-based pyramid.

5 faces  
5 vertices  
8 edges

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Geometry - Shape Year 3

## 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!

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Geometry - Shape Year 3

## Sphere

A sphere is a 3-D shape.

1 curved face  
0 edges  
0 vertices

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Geometry - Shape Year 3

## Cone

A cone is a 3-D shape.

The point is called an apex.

2 faces  
1 edge

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Geometry - Shape Year 3

## Acute Angle

Acute angles are angles that are smaller than a right angle.

Look at the acute angles compared with the right angle.

Right angle  
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## Obtuse Angle

Obtuse angles are angles that are greater than a right angle.

Look at the obtuse angles compared with the right angle.

Right angle  
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## Half Turn

A half turn = 2 right angles

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## Clockwise

When you turn in the same direction as a clock.

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## Turns

When we turn, we can use the shape of a circle and our knowledge of right angles.

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## Three-quarter Turn

A three-quarter turn = 3 right angles

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## Anti-clockwise

When you turn in the opposite direction as a clock.

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## Quarter Turn

A quarter turn = 1 right angle

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## Full Turn

A full turn = 4 right angles

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## Orientation

The way a shape or angle is pointing.

A right angle in different orientations

A rectangle in different orientations

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## Horizontal Line

A horizontal line is a line that goes from left to right.

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## Vertical Line

A vertical line is a line that goes up and down.

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## Perpendicular Line

A perpendicular line meets at a right angle.

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Year 3 - Geometry – Shape Vocabulary Assessment

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Shape		2-D Shape		3-D Shape	
Sides		Vertex/Vertices		Corner	
Symmetrical		Non-symmetrical		Vertical	
Vertical line of symmetry		Faces		Edges	
Orientation		Sorting		Patterns	
Square		Rectangle		Triangle	
Pentagon		Hexagon		Circle	
Cube		Cuboid		Sphere	
Cylinder		Pyramid		Cone	
Angle		Right Angle		Acute Angle	
Obtuse Angle		Turns		Quarter Turn	
Half Turn		Three-quarter Turn		Full Turn	
Clockwise		Anti-clockwise		Horizontal Line	
Vertical Line		Perpendicular Line			