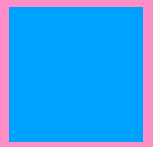
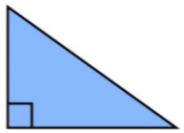
Year 4 - Shape

Key Vocabulary	
Horizontal	A straight line that goes from left to right.
Vertical	A straight line that goes up and down.
Parallel	Two lines that never meet and always stay the same distance apart.
Perpendicular	Two lines that meet at a right angle.
Quadrilateral	A shape with 4 straight edges and all angles add up to 360°.
Symmetry	When either side of a line is identical to each other and looks exactly the same.

Properties of Quadrilaterals

Square 	- Four sides of equal length - Four right angles - Opposite sides are parallel. - All angles add to 360°. - Four lines of symmetry.	Trapezium	- One pair of parallel lines. - All angles add to 360°.
Rectangle	- Four right angles - Opposite sides are of equal length. - Opposite sides are parallel. - All angles add to 360°. - Two lines of symmetry.	Parallelogram	- Opposite sides are equal. - Opposite angles are equal. - All angles add to 360°. - Two pairs of parallel lines. - No lines of symmetry
Rhombus	- Opposite sides are equal. - Opposite angles are equal. - Two pairs of parallel lines. - All angles add to 360°. - Two lines of symmetry.	Kite	- Two pairs of equal sides. - Equal sides are adjacent to each other (next to and not opposite). - No parallel lines. - All angles add to 360°.

Properties of Triangles

Equilateral triangle	- Three equal sides - Three equal angles - All angles are 60°	Isosceles triangle	- Two equal sides - Two equal angles
Right-angle triangle	- One angle is a right angle 	Scalene triangle	- No equal sides - No equal angles

Types of Angles

Acute angle	An angle that is less than 90°.	
Right angle	An angle that is 90°. There are 4 right angles in a full turn.	
Obtuse angle	An angle that is more than 90° but less than 180°.	