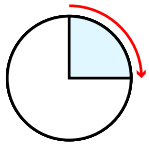
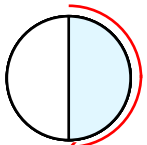


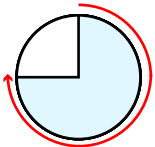
Angles as turns



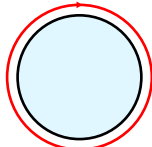
quarter turn



half turn



three-quarter turn



full turn



clockwise



anti-clockwise

Identifying angles

When two straight lines meet at a point an angle is created. An angle is a measure of the amount of turn between the two straight lines.



A right angle is 90° and is equal to a quarter turn



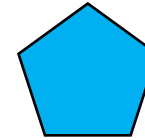
An acute angle is an angle smaller than a 90° right angle.



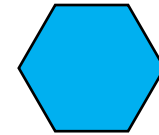
An obtuse angle is an angle larger than 90° but less than 180° .

Polygons

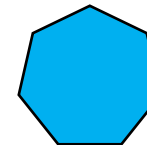
A polygon is a closed, 2-D shape with straight sides.



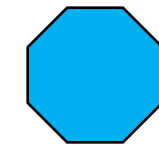
pentagon



hexagon

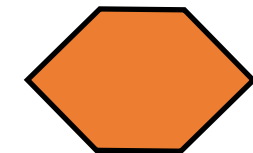
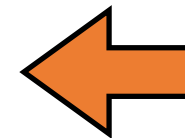


heptagon



octagon

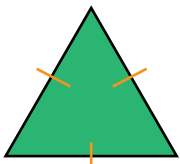
Regular polygons have sides of equal length and angles of equal sizes.



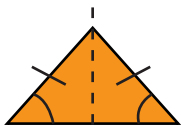
Irregular polygons have sides of unequal lengths and angles of unequal sizes.

Triangles

A triangles is a closed, 2-D shape with 3 straight sides and 3 angles.



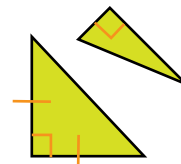
An equilateral triangle has 3 equal sides and 3 equal angles.



An isosceles triangle has 2 equal sides, 2 equal angles and 1 line of symmetry.

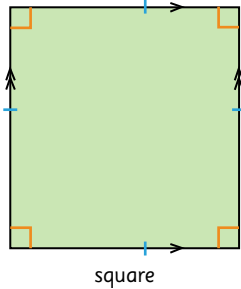


Scalene triangle have 0 equal sides and 0 equal angles.

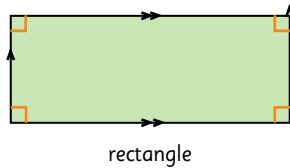


Right-angled triangles have 1 right angle and can be scalene or isosceles.

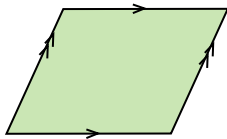
Quadrilaterals



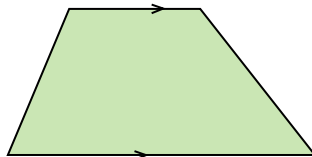
square



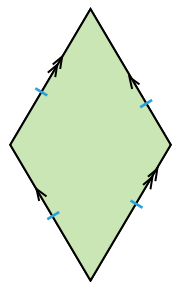
rectangle







parallelogram



trapezium

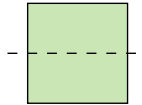


rhombus

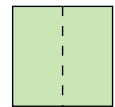
-  right angle
-  parallel sides
-  parallel sides
-  equal sides

Lines of symmetry

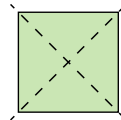
A line of symmetry is a line that divides a shape or object into two symmetrical parts.



There are horizontal lines of symmetry.

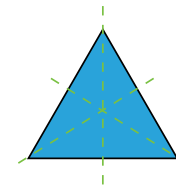


There are vertical lines of symmetry.

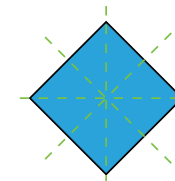


There are diagonal lines of symmetry.

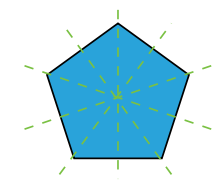
Regular polygons have the same number of lines of symmetry as they do sides.



3 sides
3 lines of symmetry



4 sides
4 lines of symmetry



5 sides
5 lines of symmetry

Symmetric figures

Patterns and shapes can be reflected using a vertical, diagonal or horizontal line to create symmetry.

