



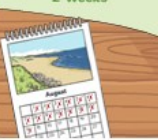








Ashfield Valley Primary School— Year 5 –Summer 1- Maths Knowledge Organiser

Units of time

Minute 1 minute = 60 seconds 	Hour 1 hour = 60 minutes 	Day 1 day = 24 hours 	Week 1 week = 7 days 	Fortnight 1 fortnight = 2 weeks 	Month January = 31 days February = 28 days (29 in a leap year) March = 31 days April = 30 days May = 31 days June = 30 days July = 31 days August = 31 days September = 30 days October = 31 days November = 30 days December = 31 days 
Year 1 year = 12 months = 52 weeks = 365 days 	Leap Year 1 leap year = 366 days 	Decade 1 decade = 10 years 	Century 1 century = 100 years 	Millennium 1 millennium = 1000 years 	

Regular and irregular polygons

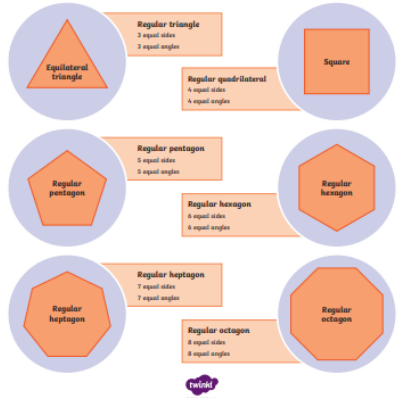
Regular Polygons

A polygon is a shape with straight sides.

If all the sides are equal in the length and the angles are equal in size, the shape is **regular**.

Regular shapes have equal sides and equal angles.

- Equilateral triangle**: 3 equal sides, 3 equal angles
- Square**: 4 equal sides, 4 equal angles
- Regular pentagon**: 5 equal sides, 5 equal angles
- Regular hexagon**: 6 equal sides, 6 equal angles
- Regular heptagon**: 7 equal sides, 7 equal angles
- Regular octagon**: 8 equal sides, 8 equal angles



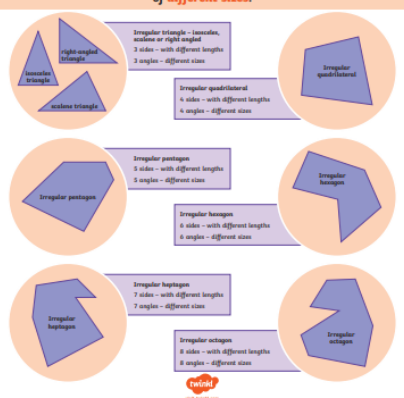
Irregular Polygons

A polygon is a shape with straight sides.

If all of the sides are not equal lengths or all of the angles are not equal sizes, the shape is **irregular**.

Irregular shapes have sides of different lengths and angles of different sizes.

- Irregular triangle**: 3 sides - with different lengths, 3 angles - different sizes
- Irregular quadrilateral**: 4 sides - with different lengths, 4 angles - different sizes
- Irregular pentagon**: 5 sides - with different lengths, 5 angles - different sizes
- Irregular hexagon**: 6 sides - with different lengths, 6 angles - different sizes
- Irregular heptagon**: 7 sides - with different lengths, 7 angles - different sizes
- Irregular octagon**: 8 sides - with different lengths, 8 angles - different sizes

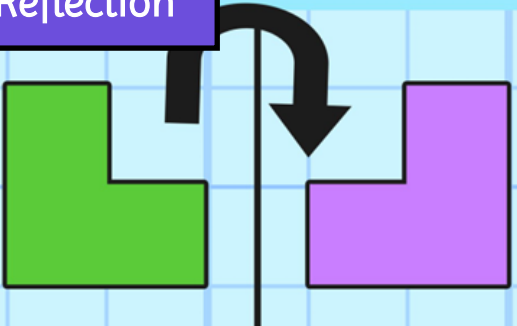


Geometry

Reflection

Reflection - Flip

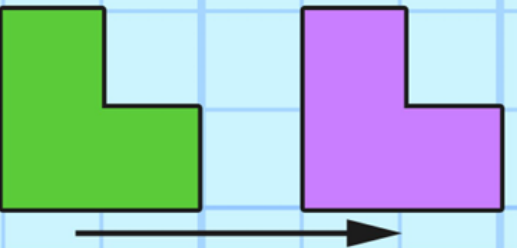
A figure gives a mirror image.



Translation

Translation - Slide

The figure moves in a straight direction.



Rotation

Rotation - Turn

Moves a figure around a point.

