

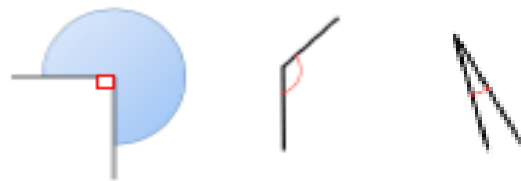


Mathematics Knowledge Organiser

Y4: Geometry, Measure & Statistics

Geometry

Angles

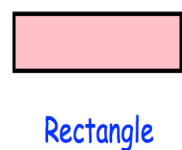
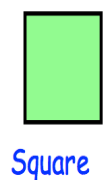
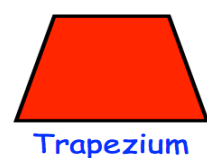


Right angle = 90°
Acute angle = smaller than 90°
Obtuse angle = larger than 90°

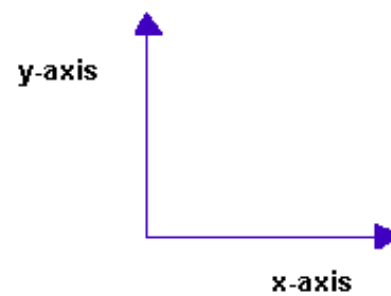
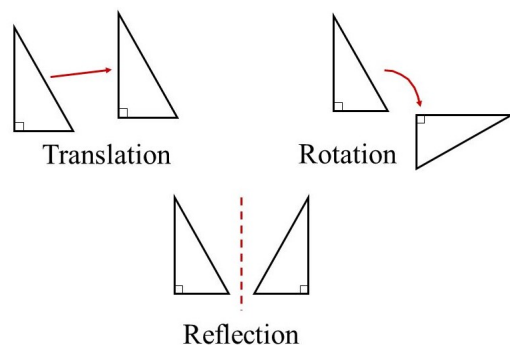
Triangles

	Equilateral Triangle Three equal sides Three equal angles, always 60°
	Isosceles Triangle Two equal sides Two equal angles
	Scalene Triangle No equal sides No equal angles

Quadrilaterals



Position and Direction

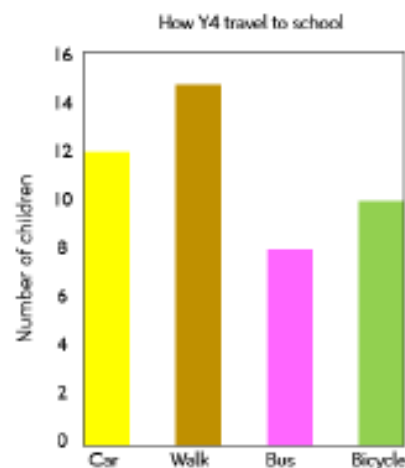


Co-ordinates: (x, y)

Shape Vocabulary

2D Shape have sides and corners
 3D Shapes have edges, faces and vertices

Statistics



Bar Graph

Pictogram

■ = 20 house points

Team	Number of house points
Sycamore	■ ■ ■ ■ ■
Oak	■ ■ ■ ■ ■
Beech	■ ■ ■ ■ ■ ■ ■ ■ ■ ■
Ash	■ ■ ■ ■ ■ ■ ■ ■ ■ ■

Frequency Chart

Day	Number of tickets sold
Monday	55
Tuesday	30
Wednesday	45
Thursday	75
Friday	85

Measure

Length, Area & Perimeter

Perimeter: distance around shape

Area: 2D space taken up

Time



1 day = 24 hours
 1 hour = 60 minutes
 1 minute = 60 seconds

1 year = 365 days = 52 weeks = 12 months

12 hr

24 hr



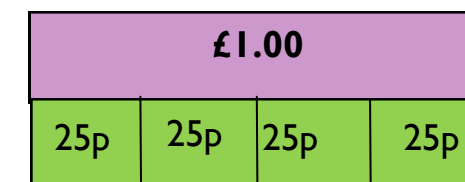
Conversions

1 cm = 10mm
 100cm = 1m
 1000m = 1km

1m = 100cm
 2m = 200cm
 10m = 1000cm
 20m = 2000cm

Money

100p = £1



30 days have September, April, June and November. All the rest have 31, except February, which has 28 days clear, and 29 every leap year!

