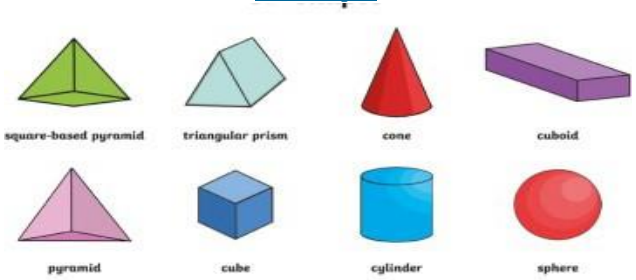
2D Shapes

Name of shape	No. of sides
Quadrilateral	4
Pentagon	5
Hexagon	6
Heptagon	7
Octagon	8

3D Shapes

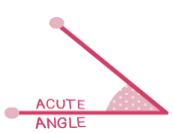


polygon = shape with straight sides.

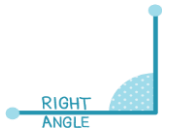
regular = all sides and angles the same.

irregular = sides and angles **not** the same.

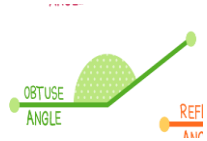
Angles



Less than 90°

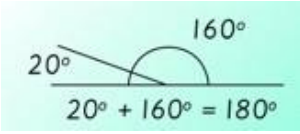


Measures 90°



Greater than 90° but less than 180°

Angles on a straight line always add up to 180%



Lines:

Horizontal

Vertical

Perpendicular

Parallel

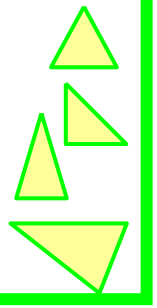
Triangles:

Equilateral: All the sides and angles are the same

Right-Angled Triangle: A triangle with a right angle

Isosceles: Two equal lengths and two equal angles.

Scalene: Sides measure three different lengths.



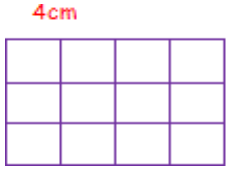
Roman Numerals

I	1
V	5
X	10
L	50
C	100
D	500
M	1000

Area and Perimeter

Area = length x height

4cm x 3cm = 12cm²



Perimeter = distance around the edge of a shape.

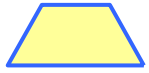
4cm + 3cm + 4cm + 3cm = 14cm.

Maths

Quadrilaterals

Parallelogram

Trapezium



Rhombus

Kite

Co-ordinates: X axis (horizontal), then Y axis (vertical).

Term	Definition	Example
factor	a number that divides exactly into another number	factors of 12 = 1, 2, 3, 4, 6, 12
multiple	a number in another number's times table	multiples of 9 = 9, 18, 27, 36...
square numbers	the result when a number has been multiplied by itself	25 (5^2 = 5x5) 49 (7^2 = 7x7)

Time: To convert from analogue to digital, add or subtract 12

Measure

1 kilometre	1000 metres
1 litre	1000 millilitres
1 centimetre	10 millimetres
1 metre	100 centimetres

Fractions, Decimals and Percentages

Fractions	Decimals	Percentages
1/2	0.5	50%
1/4	0.25	25%
3/4	0.75	75%
1/5	0.2	20%
1/10	0.1	10%
1/100	0.01	1%