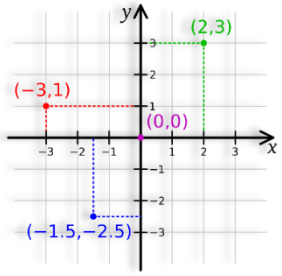
Croxby Primary Academy

Year 5/6: Maths

Term	Definition	Example
Factor	A number that divides exactly in to another number	Factors of 12 = 1, 2, 3, 4, 6, 12
Common factor	Factors of two numbers that are the same	Common factors of 8 and 12 = 1, 2, 4
Prime number	A number with only 2 factors: 1 and itself.	2, 3, 5, 7, 11, 13, 17, 19 …
Composite number	A number with more than two factors	12 (it has 6 factors)
Prime factor	A factor that is prime	Prime factors of 12 = 2, 3
Multiple	A number in another number's times table	Multiples of 9 = 9, 18, 27, 36…
Common multiple	Multiples of 2 numbers that are the same	Common multiples of 4 and 6 = 12, 24…
Square numbers	A result when a number has been multiplied by itself	25 (5^2 = 5 x 5) 49 (7^2 = 7 x 7)
Cube numbers	The result when a number has been multiplied by itself 3 times.	8 (2^3 = 2 x 2 x 2) 27 (3^3 = 3 x 3 x 3)



Co-ordinates

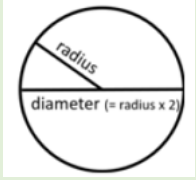
Read co-ordinates along the x axis (horizontal) first, then the y axis (vertical) E.g. (3, -4) = go right 3, down 4.

Measures conversions	
3 ½ cm	35 mm
1.09 m	109 cm
3.07 km	3070 m
1 mile	1.6 km
1 km	0.625 km (3/8 mile)
1 inch	2.5 cm
1 foot	30cm
5 miles	8 km
0.902 L	902 ml
1 pint	570 ml
1 gallon	4.5 L
1.75 pints	1 L
0.08 kg	80 g
1 pound	450 g
2.2 pounds	1 kg
1 stone	6.3 kg

Roman Numerals						
I	V	X	L	C	D	M
1	5	10	50	100	500	1000
VII	XIX	XLVII	LXVI	IC	DCCLVI	MMCLXIV
7	19	47	66	99	756	2164

The mean

The mean is a type of average. To find the mean, add up all the numbers and divide by how many there are E.g. the mean of 4, 5, 3, 4 is 4. (because 4 + 5 + 3 + 4 = 16, and 16 ÷ 4 = 4)

2D shapes	
Regular polygon	shape with straight sides and all sides/angles are the same.
Irregular polygon	Sides/angles are not the same.
Types of triangle	
Types of quadrilateral	
Area The amount of space inside a 2D shape. Usually measured in cm² or m².	
Area of a triangle	= (base x height) ÷ 2
Area of a parallelogram	= base x height
Perimeter	
Perimeter = measure around the edge (circumference = perimeter of a circle)	
Parts of a circle	
	

Angles	
Full turn	360°
Half turn	180°
Right angle	90°
Acute angle	<90°
Obtuse angle	>90°
Reflex angle	>180°
Straight line	180°
Angles inside a triangle	180°
Angles inside a quadrilateral	360°

Fractions, decimals and percentages			
1/100	0.01	1%	÷100
1/20	0.05	5%	÷ 20
1/10	0.1	10%	÷ 10
1/5	0.2	20%	÷ 5
¼	0.25	25%	÷ 4
½	0.5	50%	÷ 2
¾	0.75	75%	÷ 4, x 3
1	1	100%	÷ 1

Shape vocabulary

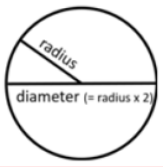
perimeter = measure around the edge (**circumference** = perimeter of a circle)

horizontal line

vertical line

parallel lines

perpendicular lines (at right angles)



Volume

Volume of a cuboid = length x height x width