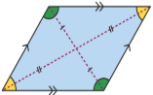
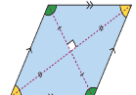
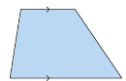




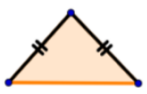
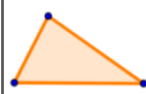

Year 6 Knowledge Organiser

Term	Definition	Example
factor	A number that divides exactly into 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 and 4
prime number	A number with exactly two factors	2, 3, 5, 11, 13, 17, 19...
composite number	A number with more than two factors	12 (as it has six factors)
prime factor	A factor that is prime	Prime factors of 12: 2, 3
multiple	A number that is in another number's times table	Multiples of 9: 9, 18, 27, 36...
common multiple	Multiples of two 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 (52 = 5x5) 49 (72 = 7x7)
cube numbers	When a number has been multiplied by itself three times	8 (23 = 2x2x2) 27 (33 = 3x3x3)

Parallelogram	Rhombus	Trapezium
		
Two pairs of parallel sides	All sides have the same length and are parallel	One pair of parallel sides

Volume of a Cuboid
length x width x height



Equilateral	Isosceles	Scalene	Right angled
			
3 equal sides and 3 angles of 60°	2 equal sides and 2 equal angles	No equal sides or angles	One angle is a right angle (90°)

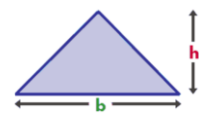
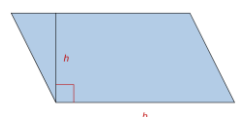
Fraction	Decimal	Percentage
$\frac{1}{100}$	0.01	1%
$\frac{1}{20}$	0.05	5%
$\frac{1}{10}$	0.1	10%
$\frac{1}{5}$	0.2	20%
$\frac{1}{4}$	0.25	25%
$\frac{1}{2}$	0.5	50%
$\frac{3}{4}$	0.75	75%
1	1	100%
$\frac{2}{5}$	0.4	40%
$\frac{4}{5}$	0.8	80%

Measurement Conversions


1cm	10mm
1m	100cm
1km	1,000m
1 mile	1.6km
1km	0.625 (5/8 mile)
1kg	1,000 grams
1 litre	1,000 millilitres


Full turn	
Half turn	
Right angle	
Acute angle	
Obtuse angle	
Reflex angle	
Angle on a straight line	
Angles inside a triangle	
Angles inside a quadrilateral	


Name	Sides	Roman Numerals	
quadrilateral	4	1	I
pentagon	5	5	V
hexagon	6	10	X
heptagon	7	50	L
octagon	8	100	C
nonagon	9	500	D
Decagon	10	1,000	M


Area of a triangle	Area of a parallelogram
(base x height) ÷ 2	base x height (<i>Height = perpendicular height</i>)
	

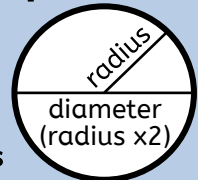
Shape Vocabulary


Perpendicular lines
(at a right angle)


Vertical line


Horizontal line


Parallel lines


radius
diameter (radius x2)

Perimeter = measure around the edge
Circumference = perimeter of a circle

