St George's C of E Primary School

Mathematical Dictionary

Year Five

We would like you to help your child understand the meaning of each of the words included in our Mathematical Dictionary for Year Five.

Thank you for your support.

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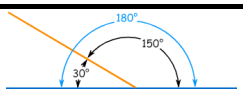
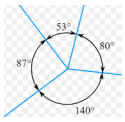
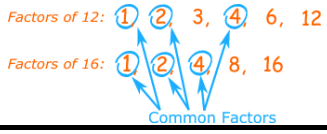
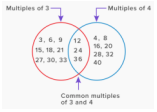
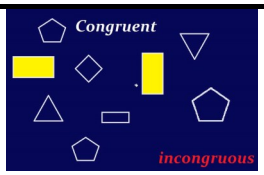
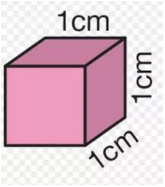
Mathematical Dictionary

Year Five

Vocabulary	Definition	Example
Angle on a line	Angles formed on a straight line that sum to 180°.	
Angle at a point	Angles that meet at a point that sum to 360°.	
Average (mean)	The mean average of a set of data is the sum of the quantities divided by the number of quantities.	9, 3, 1, 8, 3, 6 9 + 3 + 1 + 8 + 3 + 6 = 30 30 ÷ 6 = 5 The mean is 5
Common factor	A factor of two (or more) given numbers.	
Common multiple	A multiple of two (or more) given numbers.	
Congruent	Used to describe two shapes or figures which are exactly the same size.	
Cube number	The product of three equal factors.	$1^3 = 1 \times 1 \times 1 = 1$ $2^3 = 2 \times 2 \times 2 = 8$ $3^3 = 3 \times 3 \times 3 = 27$
Cubic centimetre	A unit used to measure volume. The space taken up by a cube with edges of length 1 cm or which measures 1 cm × 1 cm × 1 cm.	

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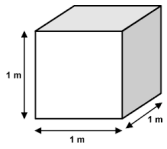
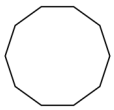
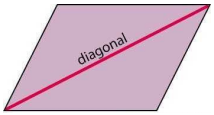
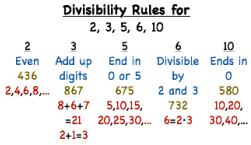
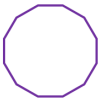
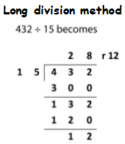
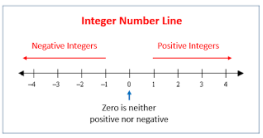
Cubic metre	A unit used to measure volume. The space taken up by a cube with edges of length 1 metre.	
Decagon	A 2D shape with ten sides and ten angles.	
Degree	The unit of measure for angles.	
Diagonal	A straight line segment that joins one vertex to another.	
Divisible	A number is said to be divisible by another if it can be divided by that number without a remainder.	
Dodecagon	A 2D shape with twelve sides and twelve angles.	
Long division	The formal written method that can be used to divide by a number with two or more digits.	
Long multiplication	The formal written algorithm that can be used to multiply a number by a number with two or more digits.	
Negative integer	A whole number with a value less than zero. Zero is neither positive nor negative.	

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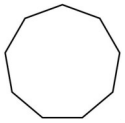
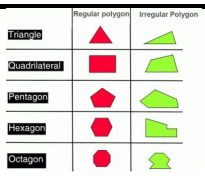
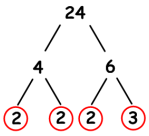
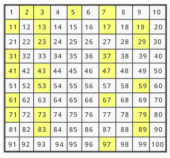
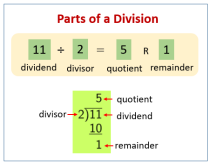
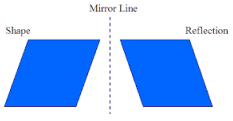
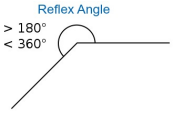
Nonagon	A 2D shape with nine sides and nine angles.	
Percentage	The number of parts per hundred which is written using the % symbol.	
Polygon	A 2-D shape with three or more straight sides.	
Polyhedron	A 3-D shape with flat surfaces that are polygons.	
Prime factor	A factor that is a prime number.	
Prime number	A whole number with only two factors, one and the number itself.	
Remainder	The amount remaining after division when a whole number answer is needed.	
Reflection	A mirror image that is equidistant from a mirror line.	
Reflex angle	An angle that is greater than 180° and less than 360°.	

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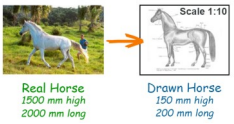
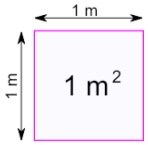
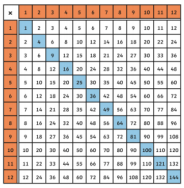
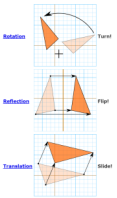
Scale	**A drawing that shows a real object with accurate sizes reduced or enlarged by a certain amount (called the scale).**	
Square metre	**The area equal to a square that is 1 meter on each side.**	
Square number	**A number that results from multiplying an integer by itself. A square number can only end with digits 0, 1, 4, 6, 9 or 25.**	
Tetrahedron	**A triangular-based pyramid.**	
Transformation	**A rotation, reflection or translation of a shape. After any of these transformations, the shape still has the same size, area, angles and dimensions.**	
Translation	**Sliding/moving a shape without rotating or flipping it. The shape still looks exactly the same, just in a different place.**