Multiplication and division vocabulary				
Term	Definition	Example		
factor	a number that divides exactly	factors of 12 =		
Tactor	into another number	1, 2, 3, 4, 6, 12		
common	factors of two numbers that	common factors of 8 and		
factor	are the same	12 = 1, 2, 4		
prime	a number with only 2 factors:	2, 3, 5, 7, 11, 13, 17, 19		
number	1 and itself	2, 3, 3, 7, 11, 13, 17, 19		
composite	a number with more than	12		
number	two factors	(it has 6 factors)		
prime factor	a factor that is prime	prime factors of 12 =		
prime factor		2, 3		
multiple	a number in another	multiples of 9 =		
multiple	number's times table	9, 18, 27, 36		
common	multiples of two numbers	common multiples of 4		
multiple	that are the same	and 6 = 12, 24 25 (5 <sup>2</sup> = 5x5)		
square	the result when a number			
numbers	has been multiplied by itself	49 (7 <sup>2</sup> = 7x7)		
cube	the result when a number has	$8(2^3 = 2x2x2)$		
numbers	been multiplied by itself 3 times	27 (3 <sup>3</sup> = 3x3x3)		

<u>Fr</u>	Fractions, decimals & percentages				<u>es</u>	
Γ	$^{1}/_{100}$	0.01	1%	÷100		full t
	<sup>1</sup> / <sub>20</sub>	0.05	5%	÷20		half t
	<sup>1</sup> / <sub>10</sub>	0.1	10%	÷10		right a
	<sup>1</sup> / <sub>5</sub>	0.2	20%	÷5		acute
	1/4	0.25	25%	÷4		obtuse
-	1/2	0.5	50%	÷ 2		reflex
-	. –					angles on a
	3⁄4	0.75	75%	÷4, x3		angles insid
	1	1	100%	÷1		angles inside a
						L

Angles			
full turn	360°		
half turn	180°		
right angle	90°		
acute angle	< 90°		
obtuse angle	> 90°		
reflex angle	>180°		
angles on a straight l	ine 180°		
angles inside a triang	gle 180°		
angles inside a quadrilate	eral 360°		

<b>perimeter</b> = measure aro	Shape vocabulary und the edge (circumfere	ence = perimeter of a circle)	
horizontal line	parallel lines		parallelogi
vertical line	perpendicular lines (at right angles)	diameter (= radius x 2)	is the amou usually A = ( Area

<u>Roman numerals</u>	Measurement conversions					
1   100 C	Month	Days		1 <b>cent</b> imetre	10mm	
5 V 500 D	January	31		1 metre	100cm	
10 X 1000 M	February	28 (29 in leap year)		1 <b>kilo</b> metre	1,000 m	
50 L	March	31			- /	
30 2	April	30		1 mile	1.6 km	
YEAR 6 MATHS	May	31		5 miles	8 km	
TEAR O IVIAI IIS	June	30				
KNOWLEDGE	July 31			1 <b>kilo</b> gram	1,000 grams	
KINOVVLLDOL	August	31				
ORGANISER	September			1 litre	1,000 millilitres	
SI(S) (NISER	October	31				
2D shapes	November	30		(o	ordinates	
<b>_</b>	December	31			ates along the x axis	
Name No. of sides	1 year = 365 d	1 year = 365 days (≈ 52 weeks)			irst, then the y axis	
quadrilateral 4	Leap year = 36	i6 days			(4) = go right 3, down 4.	
pentagon 5				( , 0 ( - ,	, 6- 6,	
hexagon 6		$\wedge$				
heptagon 7	2D shares		\ \			
octagon 8						
nonagon 9	<u>3D shapes</u>		$\bigvee$			
decagon 10		square-ba		triangular	- triangular	
polygon = shape with straight sides		pyrami	d	based pyran	nid prism	
regular = all sides/angles the same	faces	、 5		4	5	
irregular = sides/angles <b>not</b> same	(the flat sides	5)	5			
Types of triangle	edges	8		6	9	
$\sim$ $\wedge$	vertices	_				
	(the points whe		4		6	
scalene equilateral isosceles	the edges mee		20 6	hana takas un u	usually measured in	
scalene equilateral isosceles	Volume = the amount of space a 3D shape takes up, usually measured in cm <sup>3</sup> or m <sup>3</sup>					
Types of quadrilateral						
$\square$						
	Volume of a cuboid =			f a cuboid =		
					vidth x height	
parallelogram trapezium rhombus	•		WIDTH			
LENGTH						
AREA						
is the amount of space inside a 2D shape	The mean					
usually measured in cm <sup>2</sup> or m <sup>2</sup> . Area of a triangle	The mean is a type of average. To find the mean, add up all the numbers					
= (base x height) $\div$ 2	and divide by how many there are. E.g. the mean of 4, 5, 3, 4 is 4.					
Area of a parallelogram	(Because 4 + 5 + 3 + 4 = 16, and 16 ÷ 4 = 4)					