Multiplication and Division Vocabulary				
Term	Definition		Example	
factor	a number that divides exa	actly	factors of 12 =	
Tactor	into another number		1, 2, 3, 4, 6, 12	
common	factors of two numbers t	hat	common factors of	8 and
factor	are the same		12 = 1, 2, 4	
prime number	a number with only 2 fact 1 and itself	ctors: 2, 3, 5, 7, 11, 13, 17, 19		
composite	a number with more the	an	12	
number	two factors		(it has 6 factors	5)
prime factor	a factor that is prime 2, 3		2 =	
	a number in another		multiples of 9 :	=
multiple	number's times table		9, 18, 27, 36	
common	multiples of two numbers		bers common multiples of 4	
multiple	that are the same		e and 6 = 12, 24	
square	the result when a number		nber 25 (5 ² = 5x5)	
numbers	has been multiplied by itself		/ itself 49 (7 ² = 7x7)	
cube	the result when a number has		er has 8 (2 ³ = 2x2x2)	
numbers	mbers been multiplied by itself 3 times $27 (3^3 = 3x3x3)$)	
	r			
Fractions, Dec	<u>imals & Percentages</u>		<u>Angles</u>	
¹ / ₁₀₀ 0.01	1% ÷100	full turn 360°		360°

¹ / ₁₀₀	0.01	1%	÷100	
¹ / ₂₀	0.05	5%	÷20	
¹ / ₁₀	0.1	10%	÷10	
¹ / ₅	0.2	20%	÷5	
1⁄4	0.25	25%	÷4	
1⁄2	0.5	50%	÷2	2
3⁄4	0.75	75%	÷4, x3	a
1	1	100%	÷1	ang

Angles			
full turn	360°		
half turn	180°		
right angle	90°		
acute angle	< 90°		
obtuse angle	> 90°		
reflex angle	>180°		
angles on a straight line	180°		
angles inside a triangle	180°		
angles inside a quadrilateral	360°		

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

horizontal line

parallel lines

vertical line

perpendicular lines (at right angles)

Roman Numerals				
1	Ι	90	XC	
4	IV	100	С	
5	V	500	D	
10	Х	900	CM	
50	L	1000	М	

YEAR 5/6 MATHS **KNOWLEDGE ORGANISER**

2D Shapes

Name	No. of sides		
quadrilateral	4		
pentagon	5		
hexagon	6		
heptagon	7		
octagon	8		
nonagon	9		
decagon	10		
polygon = shape with straight sides			
regular = all sides/angles the same			
irregular = not all sides/angles are			
the same			
Types of triangle			
scalene equilateral isosceles			
Types of quadrilateral			



AREA is the amount of space inside a 2D shape usually measured in cm² or m². Area of a triangle = (base x height) $\div 2$ Area of a parallelogram

> = base x height (Height = perpendicular height)

			Measurem	nent C
	Month	Dav	<u>د</u>	Г
	January	21	5	
	Eebruary	28/2	0 in loan year)	
	March	20 (2	29 III leap year)	
	April	30		-
•	Арті	21		
	luno	20		-
	Julie	21		-
	July	21		
	August	31		-
	Octobor	30		Ļ
	October	31		
	November	30		
7	December	31	52 1)	
5	1 year = 365	days (*	≈ 52 weeks)	
_	Leap year = 3	66 day	ys	(v
_				
_			\wedge	
_				\backslash
_	3D Shape	25		\rightarrow
_	<u></u>			
			square-ba	isea
aes			pyrami	a
me	faces		5	
are	(the flat side	es)	5	
	edges		8	
	vertices		-	
	(the points wi	here	5	
7	the edges me	eet)		20 /
les	Volume = the	amou	nt of space a	3D sh
	cm ³ or m ³			

Conversions

1 cent imetre	10mm	
1 metre	100cm	
1 kilo metre	1,000 m	
1 mile	1.6 km	
1 kilometre	0.625 (⁵ / ₈) mile	
1 kilo gram	1,000 grams	
1 litre	1,000 millilitres	

Co-ordinates

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

<u>3D Shapes</u>	square-based pyramid	triangular- based pyramid	triangular prism
faces (the flat sides)	5	4	5
edges	8	6	9
vertices (the points where the edges meet)	5	4	6

hape takes up, usually measured in



Volume of a cuboid = length x width x height

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 $16 \div 4 = 4$)

Originally made by Sophie Bartlett @_MissieBee and adapted by C Newman