		<u>Multipli</u>	ication ar	<mark>id d</mark> i	ivisior	n vocabulary		<u>Ror</u>	nan ni	ume	
Terr	n		Definitio	n		Example		1	1	100	
factor		a number that divides exactly			exactly	factors of 12 =	=	5	V	500	
Tacto	51	into another number				1, 2, 3, 4, 6, 12	2	10	X	1000	
comm	non	factors of two numbers that			common factors of	common factors of 8 and		L			
facto			are the sar			12 = 1, 2, 4			1		
prim numb		a numbe	r with only 1 and itse		actors:	2, 3, 5, 7, 11, 13, 17	7, 19	YEAF	R 6 I	MA	
compo	osite	a numl	per with m	ore	than	12			ויאר	СГ	
numt	ber		two facto	rs		(it has 6 factors	(it has 6 factors)		KNOWLE		
prime fa	actor	a fac	tor that is	nrin	1e	prime factors of 2	12 =	OR	GA		
prime i	actor	a iac		pini	ie	2, 3					
multi	nle	a number in another				multiples of 9 =			2D sh	apes	
multiple		number's times table				9, 18, 27, 36					
common		multiples of two numbers					common multiples of 4		ne	No	
multi	•	that are the same				and 6 = 12, 24.		quadrilateral			
square		the result when a number				$25(5^2 = 5x5)$. ,		igon		
numbers		has been multiplied by itself				$49 (7^2 = 7x7)$		hexa	gon		
cube numbers		the result when a number has been multiplied by itself 3 times				$8(2^3 = 2x2x2)$	$8 (2^{\circ} = 2x2x2)$ 27 (3 ³ = 3x3x3)		heptagon		
nump	ers	been mu	tiplied by it	sen a	sumes	27 (3° = 3x3x3)		octagon			
				-				nona	-		
raction	s, deci	mals & p	ercentag	<u>es</u>		<u>Angles</u>		deca	-		
17	0.01	4.07	. 100	1		<u> </u>	260	polygon =			
$\frac{1}{100}$	0.01	1%	÷100			full turn half turn	360°	regular =			
¹ / ₂₀	0.05	5%	÷20				180° 90°	irregular :	= sides/	angie	
¹ / ₁₀	0.1	10%	÷10			right angle	90 < 90°	Ту	pes of	trian	
¹ / ₅	0.2	20%	÷5			acute angle obtuse angle	< 90 > 90°			Λ	
1⁄4	0.25	25%	÷4			reflex angle	> 90 >180°			$\langle \rangle$	
1/2	0.5	50%	÷2		2	ngles on a straight line	180°	scalene	eauil	atera	
3⁄4	0.75	75%	÷4, x3			ingles inside a triangle	180°	scalefic	equi		
1	1	100%	<u>.</u> 1	1		ingles inside a changle	100	Τνρε	es of au	adrila	

									polygon
	¹ / ₁₀₀	0.01	1%	÷100			full turn	360°	regular =
	$^{1}/_{20}$	0.05	5%	÷ 20			half turn	180°	irregular
	¹ / ₁₀	0.1	10%	÷10			right angle	90°	
	$\frac{1}{5}$	0.2	20%	÷5			acute angle	< 90°	
	1/4	0.25	25%	÷ 4			obtuse angle	> 90°	
							reflex angle	>180°	
	1/2	0.5	50%	÷2			angles on a straight line	180°	scalene
	3⁄4	0.75	75%	÷4, x3			angles inside a triangle	180°	-
	1	1	100%	÷1			angles inside a quadrilateral	360°	Тур
				Shape	voc	ab	ulary		parallelog
р	erimet	er = mea	sure aro	und the ed	ge (c	ciro	cumference = perimeter of	a circle)	
h	orizont	al line		parallel	line	s		\mathbf{i}	is the amou
			_						usually
	vertic	al line		perpend	icula	ir I	ines diameter (= radiu	us x 2)	=

(at right angles)

	<u>Roman numerals</u>	Measurement conversions							
	1 100 C	Month D	ays	1 centimetre	10mm				
	5 V 500 D	January 3		1 metre	100cm				
	10 X 1000 M	February 2	8 (29 in leap year)	1 kilo metre	1,000 m				
	50 L	March 3							
		April 3	0	1 mile	1.6 km				
		May 3	1	1 kilometre	0.625 (⁵ / ₈) mile				
	YEAR 6 MATHS	June 3	0						
	KNOWLEDGE	July 3	1	1 kilo gram	1,000 grams				
		August 31							
	ORGANISER	September 30		1 litre 1,000 milli litres					
		October 3	1						
	<u>2D shapes</u>	November 3	0	Co-ordinates					
		December 3	1	Read co-ordinates along the x axis					
	Name No. of sides	1 year = 365 day	s (≈ 52 weeks)	(horizontal) first, then the y axis					
	quadrilateral 4	Leap year = 366	days	(vertical). E.g. (3,-4) = go right 3, down 4					
	pentagon 5		I						
	hexagon 6		\wedge						
	heptagon 7								
	octagon 8	3D shapes							
٦	nonagon 9	<u>50 silapes</u>							
	decagon 10		square-base	ed triangular	- triangular				
٦	polygon = shape with straight sides		pyramid	based pyran	nid prism				
	regular = all sides/angles the same irregular = sides/angles not same	faces	5	4	5				
	integular – sidesy angles not same	(the flat sides)							
	Types of triangle	edges	8	6	9				
	$ \land \land \land$	vertices (the points where	2 5	4	6				
		the edges meet)	- -	4	0				
	scalene equilateral isosceles	Volume = the amount of space a 3D shape takes up, usually measured in							
		cm ³ or m ³							
	Types of quadrilateral								
		LENGTH							
	parallelogram trapezium rhombus								
′	AREA								
	is the amount of space inside a 2D shape								
	usually measured in cm ² or m ² .								
	Area of a triangle = (base x height) ÷ 2	<u>The mean</u>							
	Area of a parallelogram	The mean is a type of average. To find the mean, add up all the numbers							
	= base x height	and divide by how many there are. E.g. the mean of 4, 5, 3, 4 is 4.							
	(Heiaht = nernendicular heiaht)	(Because 4 + 5 + 3 + 4 = 16, and 16 ÷ 4 = 4)							

		dinating Conjunctions wo independent (main)	Modal Verbs – show degree of certainty or possibility. could, should, would, might, often, ought, can YEAR 6 SPaG	been missed out to create _v informality. <i>Don't do that.</i>		Synonyms and Antonyms Synonym: words that have a similar meaning (big/large) Antonym: words that have the opposite meaning (big/small)		
Because Before If Though Since As <u>Because</u> I go to school, I get to Iearn about grammar.	But Or Yet So <i>I am like ice cream and I like cake.</i>		KNOWLEDGE ORGANISER <u>Clauses</u> Main clause – A simple sentence that contains a subject and a verb. It makes sense on its own			More Punctuation Hyphen (-) – Creates compound words to give a clear meaning. <i>The man-eating shark.</i> <i>The man eating shark.</i>		
l get to learn about grammar <u>because</u> I go to school.		<u>ncient book in a leather</u> was hidden in the library.	<i>I went to school.</i> Subordinate clause – Contains a subordinating conjunction. Adds	Tenses – tells us when in time an action took place. Past Present Future			-	
Commands, Questions, Statements and Exclamations Commands begin with an imperative verb. Wash your hands. Questions expect an answer in return. Did you enjoy the trip? Statements tell the reader something. The leaves fall off trees in autumn. Exclamations begin with how or what. How lovely is that! What a beautiful sunset!		 Passive and Active Voice Active – The subject performs the action. <i>The cat chased the mouse.</i> Passive – When the subject has something done to it (by zombies). The mouse was chased by the cat. 	detail to a main clause; is not a full sentence. The subordinate clause can appear at the start, end or middle of a sentence. <i>I went to school while my brother</i> stayed at home. or While my brother stayed at home, <i>I</i> went to school. <u>Punctuation</u> Semi-colon (;) – joins two related independent clauses together Colon (:) – joins two related clauses or begins a list. Dashes (–), brackets (), commas (,) Used within a sentence to add	Simple PastSimpleI walkedI walkedI walkedI walkedWe sawWalkedYou ranYouYou ranYouPast ProgressivePresent II was walkingI amWe were seeingWe amYou were runningYou amPast PerfectPresentI had walkedI haveWe had seenWe hadYou had runYou have		resentFuturee PresentSimple FuturewalkI will walkVe seeWe will seebu runYou will runProgressiveFuture ProgressivewalkingI will be walkingre seeingWe will be seeingre runningYou will be runningnt PerfectFuture Perfecte walkedI will have walkedave seenWe will have seenhave runYou will have runis perfect!)Punctuation before invertee		
Subject (the person or thing doing the action) The fisherman caught the fish.			additional information. The cat (that didn't belong to me) was black.	Comma The child asked, "What are your plans for the weekend?" Inverted Comma Inverted Comma				