Year 1 Knowledge Organiser

1	one	11	eleven	Mor
2	two	12	twelve	1 st
-	ciro		circere	2 nd
3	three	13	thirteen	3 rd
4	four	14	fourteen	4 th
5	five	15	fifteen	5 th
				6 th
6	six	16	sixteen	7 th
7	seven	17	seventeen	8 th
8	eight	18	eighteen	9 th
				10 ^{tl}
9	nine	19	nineteen	11 t
10	+	20	tu ventu v	
10	ten	20	twenty	12 ^{tl}

Month	s of the Year
1 st	January
2 nd	February
3 rd	March
4 th	April
5 th	Мау
6 th	June
7 th	July
8 th	August
9 th	September
10 th	October
11 th	November
12 th	December

add plus		10 12 1 2		
subtrac minus	t	9 X 3 8 7 6 5 4		
equals		Clockwise		Anti-clockwise
			C	ays of the Week
	(Monday
				Tuesday
quarter turn	ł	nalf turn		Wednesday
		\frown		Thursday
				Friday
				Saturday
three-quarter turn	1	f ull turn		Sunday



Year 2 Knowledge Organiser

Y	ear 2 K	nowl	ledge	Or	ganise	er						tengti	' met	res		m
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	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2 3 4		Greater t	han		one h	2 alf = t	4 wo quarte	ers	capacit	t y millil litr	itres es	I	ml l
	o'clock	half pa	st		Less than			60 = 1		te	Τe	ens		Ones		
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		2 3 4		Ferrela			60 minu	tes =	= 1 hou	r	ten twenty	10 20	one two		1 2
C	uarter past	quarter	to		Equals			24 ho	urs =	= 1 da	У	thirty	30	thre	e	3
	Name	Sides	Vertices		Name		Fa	ices	Edge	s Vertio	es	fifty	50	five		4 5
pes	Circle	1	0	pes	Cube			6	12	8		sixty	60	six		6
Sha	Square	4	4	Sha	Cuboid			6	12	8		seventy	y 70	seve	en	7
2 D	Rectangle	4	4	3 D	Sphere	1 cur	veo	d surface	0	0		eighty	80	eigh	t	8
	Triangle	3	3		Pyramid			5	8	5		ninety	90	nine		9
	0	<u>1</u>	2/	3	1			One pend	ce T	wo pence	Fiv	e pence	Ten pence	Tw	enty	pence
	o	ne ne	two t	hree	one			And the second sec)
q		arter q	uarters qu	arters				1p		2p		5p	10p		201	C
	0	1 3	2 3		1			Fifty pend	ce C	ne pound	Two	o pounds	Five pound	.s T€	en poi	unds
	zero	one two			one									¢10	Bands	P
3		umu	umus					50p		£1		£2	£5		£1(0

centimetres

length

cm

									Days in a Month		
age O	rg	aniser				1	I		Janu	ary	31 days
		Llovizontal	\/a	rtical		2	II		Febr	uary	28 days
it Fraction	'	Horizontal	VE			3	III		Marc	h	31 days
tion with						4	IV		April		30 days
r) greater						5	5 V		May		31 days
an 1				u al la l		6	VI		June		30 days
	Pe	erpenaicular	Pa			7	VII		July		31 days
						8	VIII		Augu	ıst	31 days
					9	IX		Sept	ember	30 days	
			Alway	ys having		10	Х		Octo	ber	31 days
nt angles is		an angle of 30 dearees	distanc	e same e betwee	en	11	XI		Nove	mber	30 days
uarter turn		J J J J J J J J J J J J J J J J J J J	two	o lines		12	XII		Dece	mber	31 days
		1 = Before m	nidday 60 seconds			: = 1n	ninute	1	0mm	=	1 cm
	PM	I = After m	hidday 60 minutes			= 1	hour	10	UUCM	=	1m
ht angles	Midd	av — 12.0				- 1	day	1,	,000g	=	1kg
ull turn	Miaa	ay – 12.0		24 10	urs	- 1	aay	1,0	000ml	=	1 l
		4				4.0.0				0	20.00
12am 00	:00	4am 04:00	8 am	08:00	12	pm 12:0	0 4pm	1 10	5:00	opm	20:00
1 am 01	:00	5am 05:00	9am	09:00	1p	m 13:0	0 5pm	17	7:00	9pm	21:00
2 am 02	:00	6am 06:00	10am 10:00		2p	m 14:0	0 6pm	18	3:00	10pn	n 22:00
2					2	4 5 4 5	0 7.5	10	2.00	1100	23.00
3 am 03	:00	ram 07:00		11:00	3p	m 15:0	u j <i>i</i> pm	13	.00	TTDU	23.00
	it Fraction ction with rator (top r) greater an 1 ht angles is quarter turn 12 am 00 1 am 01 2 am 02 3 am 03	At angles is quarter turn on the angles of the angles ull turn on the origination of the angles of t	dge Organiserit Fractionction with rator (top r) greater an 1PerpendicularPerpendicularPat angles is quarter turnAt an angle of 90 degreesAt an angle of 90 degreesMM = Before m M = After m Midday = 12:012 am 00:004 am 04:00 5 am 05:00 6 am 06:00 7 am 07:00	dge Organiserit Fractionction with rator (top r) greater an 1HorizontalVerPerpendicularParPerpendicularParAt an angle of 	Horizontal Vertical it Fraction Perpendicular it op it angles is all turn Perpendicular Mathematical turn Perpendicular Mathematical turn Perpendicular Mathematical turn Parallel Mathematical turn At an angle of 90 degrees Mathematical turn AM At an angle of 90 degrees AM Mathematical turn AM At an angle of 90 degrees AM Mathematical turn AM At an angle of 90 An optical turn At an angle of 90 An optical turn At an angle of 90 An optical turn At an angle optical turn An optical turn At an optical turn An optical	Adge Organiser It Fraction It fraction <tr< td=""><td>Romanit Fractiontit FractionHorizontalVerticalPirpendicularParallelPerpendicularParallelAt an angle of 90 degrees90 degreesAlways having the same distance between two linesAM= Before middayPM= After middayPM= After middayMidday= 12:0012am00:004am04:008am08:0012pm12am5am03am03:007am07:0011am11:003am5am03:007am11am12am<tr< td=""><td>Roman Numeralit Fractiontit Fractiontit Fractiontit Fractiontit Fractiontit Fractiontransition with rator (top r) greater an 1PerpendicularParallelPerpendicularParallelNumeralAlways having the same distance between two linesAl = Before middayM = After middayM = After middayMidday = 12:00Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"M = After middayM = After middayMidday = 12:00Colspan="2"M = 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Year 5 Knowledge Organiser

Approximate conversion between imperial and metric unitsinchcmpoundkgpintml12.510.510.6

	Square Numbers							Acute angle		e 🕴 Right angle	0	btuse	angle	Full t	Full turn = 360º					
12	1 x	1	1	72	7 x 7	49	•		_				-							
22	2 x	2	4	8²	8 x 8	64	•				$ \setminus$	>	90°	Half	Half turn = 180º					
3 ²	3 x	3	9	9²	9 x 9	81	L	\wedge	90°	90°			180°	Angle	es inside of o	a triangle	= 180º			
4²	4 x	4	16	10²	10 x 10	10	0							Angles inside of a guadrilateral = 3609						
5²	5 x	5	25	11²	11 × 11	12	1	Loca th	an 0(More than 90° but		/ inge		a quaanca					
6²	6 x	6	36	12²	12 × 12	14	4				les	less than 180°		Straig	Straight line angle = 1809					
		C	ube N	lumb	pers			Equilc	iteral	Isosceles	Sca	lene	Right a	ngled	Fraction	Decimal	Percentage			
1	3	1 x	(1 x)	1	1			triar	ngle	triangle	tria	ngle	trian	gle	1	0.01	1.0/			
-				-	-		_								100	0.01	1%			
2		2 ×	<	2	8			* *		××					1	0.05	5%			
3	3	3 ×	3 x 3	3	27	7		~ 			•				20	0.05				
4	3	4 x	x 4 x 4 64			3 equal sides		s 2 equal	No e	qual	One ai	ngle	1	0.1	10%					
5	3	5 x	(5 x)	5	12	5		of 60°		equal anales	anc	is or il es	anale	90°)	10					
		3 //		<u> </u>		-						,	angeet	50 /		0.2	20%			
Ρα	ralle	logro	am	RI	hombus		Tr	apezium Key Ro			oman Numerals				1					
	$\overline{\Lambda}$	*/				7				One		1			$\frac{1}{4}$	0.25	25%			
	1.2			L	\sim					Ton		1	5 0	V Y	1	0.5	5.00/			
₋	<u>×</u> "						~		c	Fifty		5	0		$\overline{2}$	0.5	50%			
	wo po tralle	airs (ALL S	sides hav	/e	Un	e pair o		One hundre	d	1	00	C	3	0.75	7506			
	uuue	- 510		lena	th and a	re	Р	sides		Five hundre	d	5	00	D	4	0.15	1 3 70			
			p	arallel					One thousa	nd	1.0	000	M	1	1	100%				
												_,			2	0.4	40%			
Prime Numbers 2 3 5 7 11 13 17 19									5	0.4	4070									
\sim	up to 20											4	0.8	80%						
Se >							A	nine nu	inne			.015			5					

Year 6 Knowledge Organiser

Term	D	efinition		Example		
factor	A num divides anothe	ber that exactly into er number	Fac 1, 2	tors of 12: 2, 3, 4 , 6, 12		
common factor	Factors numbe the sar	s of two ers that are ne	Common factors of 8 and 12: 1, 2 and 4			
prime number	A num exactly	ber with / two factors	2,3 17,	3, 5, , 11 , 13, 19		
composite number	A num than ty	ber with more wo factors	12 fac	(as it has six tors)		
prime factor	A facto prime	or that is	r that is Prir 12:			
multiple	A num anothe times t	ber that is in er number's able	Mul 9, 1	ltiples of 9: .8, 27, 36		
common multiple	Multip numbe the sar	les of two ers that are me	Common multiples of 4 and 6: 12,24			
square numbers	A resul numbe multip	lt when a er has been lied by itself	25 49	25 (52 = 5x5) 49 (72 = 7x7)		
cube numbers	When o been n itself t	a number has nultiped by hree times	8 (2 27	23 = 2x2x2) (33 = 3x3x3)		
Parallelo	gram	Rhombus		Trapezium		
Two po of para	airs Ilel	All sides ha the same len	ye gth	One pair of parallel		
sides	5	and are para	llel	sides		

	-					1m		10	00cm		
1	Volur	ne of	a C	uboid		1km		1,(000m		
	lenath	x wid	th x	k heiaht	1	mile	1.6km				
			1	height		1km	(0 5/8	.625 3 mile)		
:				×		1kg	1,0	,000 grams			
l	len	gth	sil	>-	1	litre	1,00	00	millilitres		
	Equilat	eral	l	sosceles		Scal	ene	Ri	ghtangled		
		ŧ,	/			\wedge					
	3 equal and 3 ar of 60	sides ngles	sic equ	2 equal des and 2 ual angle	s	No ec sides ang	jual or les	с а	One angle is a right Ingle (90°)		
L	Fraction	Deci	mal	Percenta	ge	М	onth		Days		
1	$\frac{1}{100}$	0.0	01 1%			Jan	uary		31 days		
	100	0.0	-	50/		Feb	ruary	28 days			
1	20	0.0	5	5%		Mar	rch		31 days		
L	$\frac{1}{10}$	0.:	1	10%		Apr	il		30 days		
1	10		<u>,</u>	200/		Μα	/		31 days		
l	5	0.4	2	20%		Jun	e		30 days		
	$\frac{1}{4}$	0.2	5	25%		July	/		31 days		
1	1	0.1	5	50%		Aug	just		31 days		
	2	0		5070	_	Sep	tembe	er	30 days		
	$\frac{3}{4}$ 0.7		5	75%		Oct	ober		31 days		
	1	1		100%		Nov	embe	r	30 days		
	$\frac{2}{5}$	0.4	4	40%		Dec	embe	r	31 days		
	$\frac{4}{5}$	0.8	8	80%		1 Lea	1 year = 365 day Leap year = 366 do				

Μ	easu	remen	t Co	onversions		Full turn					3609		
	1cm		10	mm		Half turn		180º					
	1m		10	0cm		Right angle		909					
	1km		1 0	00m		Acute angle		< 90 2					
1	milo		1,0	6km		Obtuse angle					<1809		
1	mite		1.	625		Reflex angle					>1809		
1km (5/8			5/8	mile)		Angle on a strai	gh	t line			1809		
	1kg	1,	000	grams		Angles inside a	trio	angle			180º		
1	 L litre	1.0	00 r	nillilitres		Angles inside a	qu	adrila	te	ral	360º		
		,,,				Name	S	ides		RomanN	lumerals		
	Scalene Ri		Rig	ght angled		quadrilateral		4	Γ	1	1		
╀				-		pentagon		5		5	V		
						hexagon		6		10	X		
						heptagon		7	L	50	L		
Γ						octagon		8	L	100	C		
	sido	qual	or is a right		nonagon		9	L	500	D			
	anc	iles	ar	inale (90°)		Decagon		10		1,000	M		
10		lonth		Davs		Area of a triang	le	Area	of	'a paral	lelogram		
JC		Torran		21 days		(base x height) ÷	2	base	k height	(Height =			
	Jar	nuary		31 days			_	per	pe	endicular	height)		
	Feb	oruary		28 days		\wedge 1							
	Ма	rch		31 days			<u>۱</u>			h			
	Ар	ril		30 days			,		V	b			
	Ма	y		31 days		Sho	ιpe	Voca	bι	ılary			
	Jur	ne		30 days									
	Jul	у		31 days		Perpendic	ul	ar line	S	Ver	tical line		
	Au	gust		31 days		(at a rigi		ingte)					
	Sep	otemb	er	30 days		Collus Collus							
	Oc	tober		31 days	Horizontal Line Parallel Lines								
	No	vembe	er	30 days									

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