

0 +

Doubles

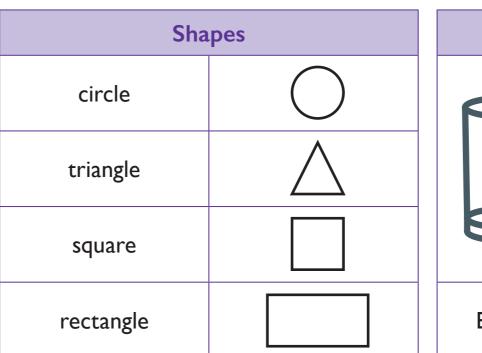
Foundation Maths Organiser

Numbers To 20
Ι
2
3
4
5
6
7
8
9
10
12
13
14
15
16
17
18
19
20

Number Bonds Within 5								
	2	3	4	5				
I	0 + 2	0 + 3	0 + 4	0 + 5				
	+	I + 2	+ 3	+ 4				
			2 + 2	2 + 3				

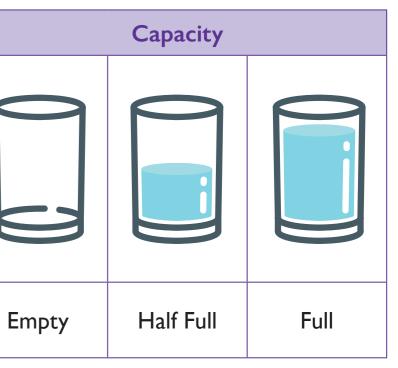
Hal	ves		Language			
0	0		5 + 3	Addition		
2	Ι	-	8 - 3	Subtraction		
4	2		+	Plus		
6	3		- T	Flus		
8	4		-	Subtract		
10	5		=	ls Equal To		

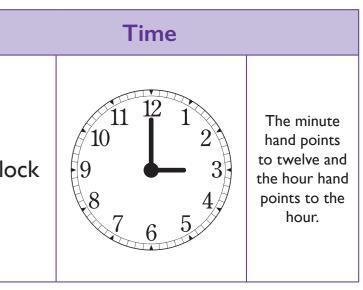
Quantity To 10							
I		6					
2		7					
3		8					
4		9					
5		10					

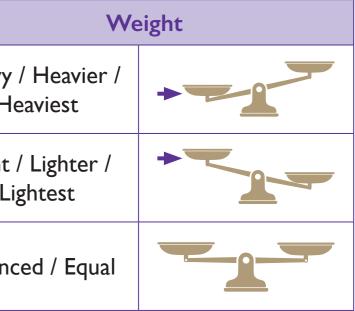


Colour		blue, green, blue, green	
Size		big, small, big, small	O'Clo
Length	Ť † Ť †	tall, short, tall, short	

	lear 🛛	Months Of The Year						
Heavy	September	May	January					
Light	October	June	February					
	November	July	March					
Balan	December	August	April					
L								









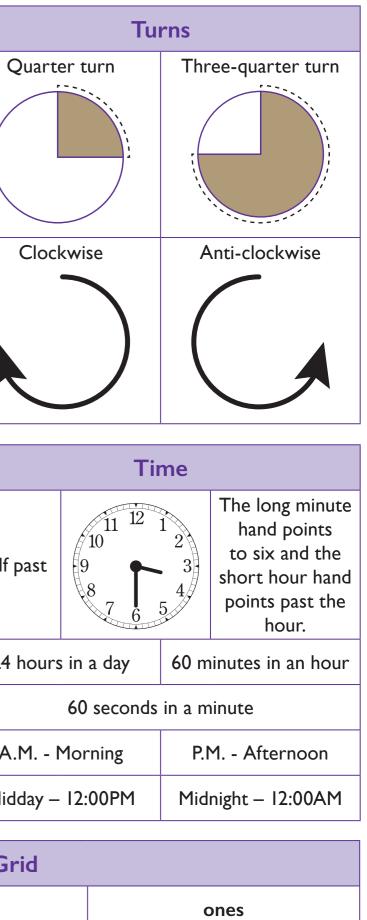
whole - part = part

4 - | = 3

Year One Maths Organiser

	Doubles			Halves		2D Shapes			Nume	erals and I	Number N	lames																	
	6	12		12	6	circle	l curved side 0 vertices		0	zero	10	ten	C																
	7	14		14	7		3 straight sides		I	one	20	twenty																	
	8	16		16	8	triangle	3 vertices		2	two	30	thirty																	
	9	18		18	9	rectangle	4 straight sides 4 right-angled		3	three	40	forty																	
	10	20		20	10		vertices		4	four	50	fifty																	
	C					3[O Shapes		5	five	60	sixty																	
	5	ymbols	and									-																	
	+			plus add		aphara		-	6	six	70	seventy																	
				minus		sphere			7	seven	80	eighty																	
	-			subtra					8	eight	90	ninety																	
	=	1		is equa	l to	pyramid			9	nine	100	one hundred																	
	5 – 3	= 2		differe	nce			Number Bonds Within 10																					
			umbers ending with							INU		0 + 6, 1 + 5																	
		numbers ending with		cube					2 + 4, 3 + 3		Half																		
	even nu	mbers	nu	2, 4, 6, 8	-				7 0 + 7, 1 + 6 2 + 5, 3 + 4																				
		Davi				cuboid						8	0 +	+ 8, I + 7, 2		24													
		Der	ived	Facts					0		3 + 5, 4 + 4																		
		3							9	0 +	- 9, 1 + 8, 2 3 + 6, 4 + 5		A.																
	4 Part Whole						Part Dart			- Port																0 + 10 1 + 9 2 + 8			A.
			cone	$\langle \langle \rangle \rangle$		10	3 +	+ 7, 4 + 6, 5	+ 5	Mid																			
		Part										Place Va	alue Gr																
	•	+ part = w + part = w			+ = 4 + 3 = 4		\bigcap					te	ens																
	•	e - part = •			- 3 = I	cylinder	\cup			Numeral			10																
				A				- E																					

Numeral



Т

10



Year	Т
I Cai	

Doubles		Halves			Bonds To 20		
	22	22	П		0	20	
12	24	24	12		I	19	
13	26	26	13		2	18	
14	28	28	14		3	17	
15	30	30	15		4	16	
16	32	32	16		5	15	
17	34	34	17		6	14	
18	36	36	18		7	13	
19	38	38	19		8	12	
20	40	40	20		9	П	
					10	10	

F	Fractions						
1/2	one half						
1/3	one third						
2/3	two thirds						
¹ / ₄ one quarter							
3/4	three quarters						
1/5	one fifth						
$1/_2 = 2/_4$							

Bonds up to 20							
19 = 0 + 19	19 = 5 + 14						
9 = + 8	19 = 6 + 13						
19 = 2 + 17	19 = 7 + 12						
19 = 3 + 16	9 = 8 +						
19 = 4 + 15	19 = 9 + 10						

Derived Facts						
4 Whole I Part						
part + part = whole	3 + = 4					
part + part = whole	I + 3 = 4					
whole = part + part	4 = 3 + 1					
whole = part + part	4 = 1 + 3					
whole - part = part	4 - 3 = I					
whole - part = part	4 - 1 = 3					
part = whole - part	I = 4 - 3					
part = whole - part	3 = 4 - 1					

Μι	Multiplication Tables							
X	2	3	5	10				
I	2	3	5	10				
2	4	6	10	20				
3	6	9	15	30				
4	8	12	20	40				
5	10	15	25	50				
6	12	18	30	60				
7	14	21	35	70				
8	16	24	40	80				
9	18	27	45	90				
10	20	30	50	100				
П	22	33	55	110				
12	24	36	60	120				

2D Shapes				
Quadrilateral	Four straight sides Four vertices			
Pentagon	Five straight sides Five vertices			
Hexagon	Six straight sides Six vertices			
Polygon	A closed shape with three or more straight sides			
Regular Shape	A shape where all sides are equal and all angles are equal			
Irregular Shape	A shape with sides or angles of different sizes			
Has a line of symmetry				
Does not have a line of symmetry				

3D Shapes					
Faces, Edge	e and Vertices				
Face	Edge				

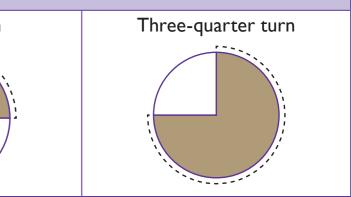
Quarte	er turn
Quarter Past	1 9 8
Quarter To	1 9 8
	I

Numbers to 1000							
one hundred	600	six hundred					
two hundred	700	seven hundred					
three hundred	800	eight hundred					
four hundred	900	nine hundred					
five hundred	1000	one thousand					
	one hundred two hundred three hundred four hundred	one hundred600two hundred700three hundred800four hundred900					

Place Value Grid						
hundreds tens ones						
Numeral	100	10	Ι			

wo Maths Organiser

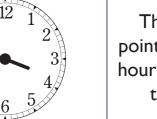
Turns



Time



The minute hand points to three and the hour hand points past the hour.



The minute hand points to nine and the hour hand points near the next hour.

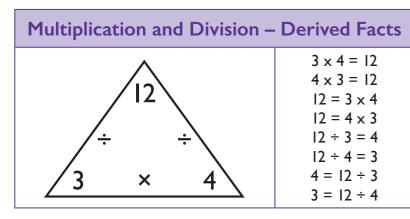


Year Three Maths Organiser

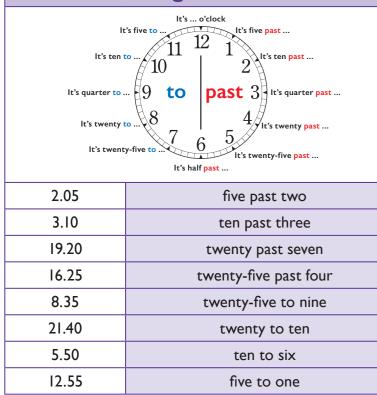
Measurements							
mm in a cm	10 mm = 1 cm	m in a k	m	1000m = 1km			
mm in a m	1000 mm = 1 m	g in a k	g	1000g = 1 kg			
cm in a m	100 cm = 1 m	ml in a	I	1000 ml = 1 1			
60 seconds in a mi	nute 60 minute	es in an hour	24	hours in one day			
7 days ir	n a week	I2 m	nonths	in one year			
Geometry							
Vertical	Vertical	ertical Parallel		\rightarrow			
Horizontal	Horizontal			\rightarrow			
Perpendicular		Right Angle		90°			
Quarter Turn		Three-qua Turn	arter				
Half Turn		Full Tur	'n				
The total dis the outside	neter tance around of a shape. iagram = 20cm)	7cm 3cm 3cm		3cm			

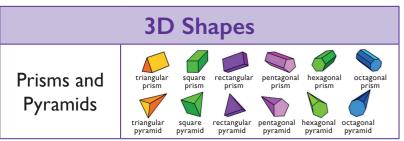
	Place Value Grid							
	thousands	hundreds	tens	ones		tenths	hundredths	
I	1000	100	10	I		0.1	0.01	

	Number Bonds To 100							
0	100		20	80		35	65	
5	95		25	75		40	60	
10	90		30	70		45	55	
15	85					50	50	



Telling The Time





F	Fractions				
1/2	one half				
1/3	one third				
2/3	two thirds				
1/4	one quarter				
3/4	three quarters				
1/5	one fifth				
1/6	one sixth				
1/7	one seventh				
1/8	one eighth				
1⁄9	one ninth				

Multiplication Tables							
х	4	8	3	6	9		
I	4	8	3	6	9		
2	8	16	6	12	18		
3	12	24	9	18	27		
4	16	32	12	24	36		
5	20	40	15	30	45		
6	24	48	18	36	54		
7	28	56	21	42	63		
8	32	64	24	48	72		
9	36	72	27	54	81		
10	40	80	30	60	90		
П	44	88	33	66	99		
12	48	96	36	72	108		

		one sixth						
	h	one seventh						
	1	eighth	one		, 8			
Leap		ninth	one		, 9			
	es	Tabl	ion	licat	ıltip			
tı	9	6	3	8	4			
qua	9	6	3	8	4			
ре	18	12	6	16	8			
he	27	18	9	24	12			
he	36	24	12	32	16			
0	45	30	15	40	20			
no de	54	36	18	48	24			
hen	63	42	21	56	28			
do	72	48	24	64	32			
	81	54	27	72	36			
	90	60	30	80	40			

Days in a Month				
January	31			
February	28*			
March	31			
April	30			
May	31			
June	30			
July	31			
August	31			
September	30			
October	31			
November	30			
December	31			
Leap year is 366 days with 29 days in February				

2D	Shapes
triangle	a three sided polygon
quadrilateral	a four sided polygon
pentagon	a five sided polygon
hexagon	a six sided polygon
heptagon	a seven sided polygon
octagon	an eight sided polygon
nonagon	a nine sided polygon
decagon	a ten sided polygon
hendecagon	an eleven sided polygon
dodecagon	a twelve sided polygon

Numeral

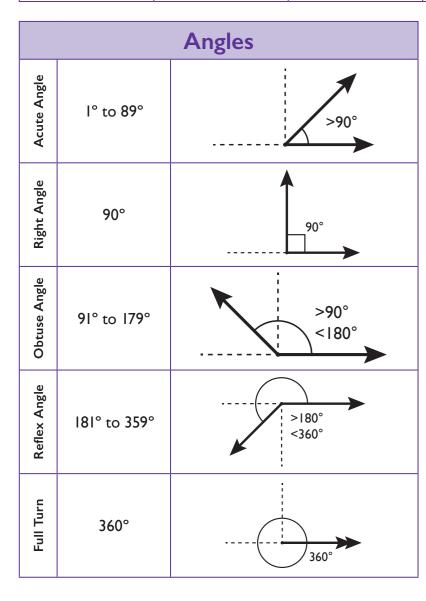


Year Four Maths Organiser

	Fraction Decimal Equivalence				
1/10 = 0.1	4/10 = 0.4	7/10 = 0.7	10/10 = 1	³ / ₄ = 0.75	
2/10 = 0.2	5/10 = 0.5	8/10 = 0.8	1/2 = 0.5	1/100 = 0.01	
3/10 = 0.3	6/10 = 0.6	9/10 = 0.9	1/4 = 0.25	23/100 = 0.23	
Rom	nan Numerals		Coordinat	es	6

Roman Numerals				
I	I	IX	9	
II	2	X	10	
III	3	XI	II	
IV	4	XII	12	
V	5	L	50	
VI	6	С	100	
VII	7	D	500	
VIII	8	М	1000	

Coordinates					
Coordinate Grid	y 2 1 1 0 1 2 3				
Finding the coordinates of a point. (x then y) The point (12.5) is 12 units along, and 5 units up.	$\begin{array}{c c} 10 & 12 \\ 5 & (12.5) & 5 \\ 0 & 5 & 10 & 15 \\ \end{array}$				

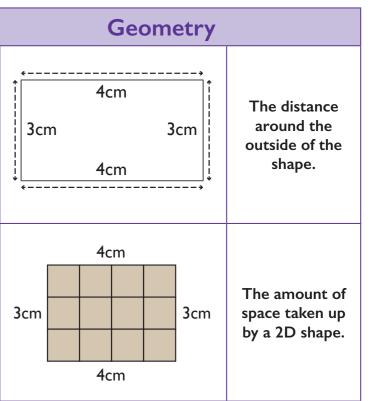


Multiplication Tables				
Х	7	6	12	П
I	7	6	12	П
2	14	12	24	22
3	21	18	36	33
4	28	24	48	44
5	35	30	60	55
6	42	36	72	66
7	49	42	84	77
8	56	48	96	88
9	63	54	108	99
10	70	60	120	110
11	77	66	132	121
12	84	72	144	132

	Tria	angles		Quadr	rilaterals
Equilateral	All three sides and angles equal.	a 60° a	Rectangle	 Four sides Opposite sides parallel Opposite sides equal length Four right angles 	
Isosceles	Two sides and two angles equal.	a a b	Parallelogram	 Four sides Opposite sides parallel 	a b
Scalene	All three sides and angles of different sizes.		Rhombus	 Four equal sides Opposite sides parallel Opposite angles equal 	a b
Right Angled	A triangle with a right angle. Can be isosceles or scalene.		Kite	 Four sides Pairs of adjacent sides equal Angles where adjacent sides meet are equal Diagonals intersect at right angles 	

Area

Place Value Grid							
thousands hundreds tens ones tenths hundredt						hundredths	
Numeral	1000	100	10	I		0.1	0.01





Cube N	umbers	Cube	Roots
I ³	I	√I	I
2 ³	8	√8	2
3 ³	27	√27	3
4 ³	64	√64	4
5 ³	125	√I25	5

Prime Numbers					
2	17	41	67		
3	19	43	71		
5	23	47	73		
7	29	53	79		
П	31	59	83		
13	37	61	89		

Square N	Numbers	Square	Roots	
 ²	I	√I	I	
2 ²	4	√4	2	
3 ²	9	√9	3	
4 ²	16	√ I6	4	
5 ²	25	√25	5	
6 ²	36	√36	6	
7 ²	49	√49	7	
8 ²	64	√64	8	
9 ²	81	√8 Ι	9	
10 ²	100	√I00	10	
²	121	√I2I	П	
12 ²	144	√ I44	12	
13 ²	169	√ I69	13	

Numbers							
0	a number with no value that comes between the positive and negative numbers.						
positive number	a number more than 0						
negative number	a number less than 0						
prime number	A number with exactly two factors, itself and one.						
composite number	A number with more than two factors.						

Geometry

Volume = length x height x depth

Statistics

4cm

the sum of all data points

divided by the number of data

points

2cm

volume

mean

V		5						
I		I						
Roman Numerals								
circumference	the dista	nce once around the circle						
diameter	a chord	a chord which passes through the centre						
chord	a straigh	ht line joining two points on the circumference						
radius	the circumference							

Angle Totals

60°

Circle Geometry

radius

Х

L

С

D

Μ

100° 40°

170°

/<u>-</u>90°

∕75°

90°

60°

110°Y

85°

30°7

(50°

120°

3cm

a straight line from the centre to

10

50

100

500

1000

Angles around a

point

total 360°

Angles on a

straight line

total 180°

Angles in a

quadrilateral total 360°

Angles in a

triangle

total 180°

	Factor
factors	number
multiple	the re
HCF	Highest Con
LCM	Lowest Comm

Multiplication Grid												
х	I	2	3	4	5	6	7	8	9	10	П	12
I	I	2	3	4	5	6	7	8	9	10	П	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Place Value Grid											
	millions	Hundred thousands	Ten thousands	thousands	hundreds	tens	ones		tenths	hundredths	thousandths
Numeral	1,000,000	100,000	10,000	1000	100	10	I		0.1	0.01	0.001

Upper KS2 Maths Organiser

rs and Multiples

rs we multiply together to get other numbers.

result of multiplying a number by an integer.

mmon Factor - the largest factor shared by two or more numbers.

mon Multiple - the smallest number that is a multiple of two or more numbers.