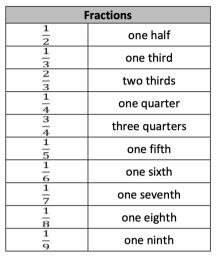
## MATTHS KNOWLEDGE ORGANISER Year 3

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	

Multiplication and Division – Derived Facts					
^	3 x 4 = 12				
/12	4 x 3 = 12				
/12 \	12 = 3 x 4				
	$12 = 4 \times 3$				
/÷ ÷\	12 ÷ 3 = 4				
	12 ÷ 4 = 3				
$\frac{1}{3}$ x 4	4 = 12 ÷ 3				
/ 3	3 = 12 ÷ 4				



Days in a		Measurements						
January								
February	28*							
March	31	mm in a cm	mm in a cm 10 mm = 1		1 cm min a kr		1000m = 1km	
April	30							
May	31		1000		g in a kg		1000g = 1 kg	
June	30	mm in a m	1000	mm = 1 m				
July	31							
August	31	cm in a m	100	cm = 1 m	ml in a l		1000 ml = 1 l	
September	30							
October	31	60 seconds ir	a 60 minu		ites in an			
November	30	minute.		ho	our. 24		hours in one day.	
December	31				<u> </u>			
Leap year is 366 days with 29 days in		7 days i	7 days in a week.		12 months in one year.			
February			,			·		

	Telling The Time				
	It's o'clock				
It's five to 9  It's quarter to 9  It's twenty to 8	to past 3 It's quarter past  4 It's twenty past  7				
2.05	five past two				
3.10	ten past three				
19.20	twenty past seven				
16.25	twenty-five past four				
8.35	twenty-five to nine				
21.40	twenty to ten				
5.50	ten to six				
12.55	five to one				

0.55							
21.40 twenty to ten							
5.50	ten to six						
12.55	five to one						
3D Shapes							
Prisms and Pyramids	triangular square rectangular pertagonal hexagonal octoponal prism						

Multiplication Tables								
X	4	8	3	6	9			
1	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			
11	44	88	33	66	99			
12	48	96	36	72	108			

2D Shapes					
trianglo	a three sided				
triangle	polygon				
quadrilateral	a four sided				
quadrilateral	polygon				
nontagon	a five sided				
pentagon	polygon				
hexagon	a six sided				
Hexagon	polygon				
hontagon	a seven sided				
heptagon	polygon				
octagon	an eight sided				
Octagon	polygon				
nonagon	a nine sided				
nonagon	polygon				
decagon	a ten sided				
uecagon	polygon				
hendecagon	an eleven sided				
Hendecagon	polygon				
dodecagon	a twelve sided				
dodecagon	polygon				

	Geon	netry				
Vertical Horizontal	← VERTICAL  HORIZONTAL	Parallel	$\overset{\longrightarrow}{\longrightarrow}$			
Perpendicular	$\rightarrow$ $\times$	Right Angle	90°			
Quarter Turn	1 right angle quarter turn 90°	Three- quarter Turn	3 right angles 3 quarter turns 270°			
Half Turn  2 right angles 2 quarter turns or half turn		Full Turn	4 right angles 4 quarter turns or full turn 360°			
Perii	meter	3cm The total di	3cm 3cm stance around e of a shape. er = 14cm			

	Place Value Grid						
	thousands	hundreds	tens	ones		tenths	hundredths
Numeral	1000	100	10	1		0.1	0.01