## Year 3: Maths Knowledge Mat

Counting from 0
Counting in <b>multiples of 4</b> 0, 4, 8, 12, 16, 20, 24, 28, 32

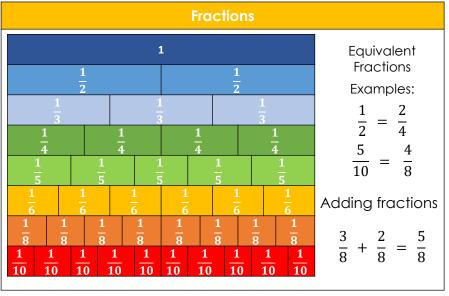
Counting in multiples of 8 0, 8, 16, 24, 32, 40, 48...

Counting in multiples of 50 0, 50, 10, 150, 20, 250, 300...

Counting in multiples of 100 0, 100, 200, 300, 400, 500...

Vocabulary							
100	hundred						
1000	thousand						
+ - X ÷	inverse operations						
<u>1</u> ←	Numerator						
1/2 ←	Denominator						

Place value	Thousands	Hundreds	Tens	Ones		Tenths
1238	1	2	3	8	•	0
58.9	0	0	5	8	•	9
3050.4	3	0	5	0	•	4



<u>+</u> 		6
ions		7
$\frac{5}{8}$		8
		9
S		10
		11
		12
	J	

**Multiplication Tables** 

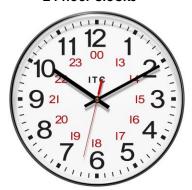
X

L																				
Formal methods of addition, subtraction and short multiplication and division																				
70	4 88	653	bec	omes	862 -	514	bec	omes	934 -	456	beco	mes	26	x 8 b	есо	mes	78 ÷	6 b	ecomes	
										8	12	1						1	3	
		7	6	8		8	6	2		9	<b>3</b>	4			2	6			1	
	+	6	5	3	-	5	1	4	-	4	5	6		X		8	6	7	8	
	1	4	2	1		3	4	8		4	7	8		2	0	8				
		1	1												4					

## Year 3: Maths Knowledge Mat

## Time – Sticky Knowledge

## 24 hour clocks



The time is 10.10 in the morning or 22.10 in the evening in 24 hour time.

**a.m.** is from **midnight** until mid-day (noon)

1 to 12 in 24 hour clock time

Roman numerals



This clock is showing X to II or 10 to 2.

On some clocks the 4 is IIII and sometimes it is IV

**p.m.** is from mid-day (**noon**) until midnight

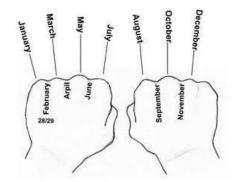
13 to 24 in 24 hour clock time

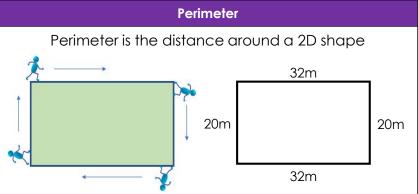
There are 365 days in a year.

A leap year has 366 days. This is February 29th and happens every 4 years.

January	31 days
February	28 days
March	31 days
April	30 days
May	31 days
June	30 days
July	31 days
August	31 days
September	30 days
October	31 days
November	30 days
December	31 days

'Knuckle Mnemonic'





Polygon/Shape	Regular	Irregular
Triangle		
Quadrilateral		
Pentagon		
Hexagon		
Heptagon		

Octagon

Non symmetrical (irregular) polygons

Lines

Parallel

Perpendicular

