



# Year 2 Maths Knowledge Organiser

Doubles	
11	22
12	24
13	26
14	28
15	30
16	32
17	34
18	36
19	38
20	40

Halves	
22	11
24	12
26	13
28	14
30	15
32	16
34	17
36	18
38	19
40	20

Bonds To 20	
0	20
1	19
2	18
3	17
4	16
5	15
6	14
7	13
8	12
9	11
10	10

Fractions	
$\frac{1}{2}$	one half 
$\frac{1}{3}$	one third 
$\frac{2}{3}$	two thirds 
$\frac{1}{4}$	one quarter 
$\frac{3}{4}$	three quarters 
$\frac{1}{5}$	one fifth 
$\frac{1}{2} = \frac{2}{4}$	

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	

Turns	
Quarter Turn 1 right angle Quarter turn 90° 	Three-quarter Turn 3 right angles 3 quarter turns 270° 

Bonds Up To 20	
19 = 0 + 19	19 = 5 + 14
19 = 1 + 18	19 = 6 + 13
19 = 2 + 17	19 = 7 + 12
19 = 3 + 16	19 = 8 + 11
19 = 4 + 15	19 = 9 + 10

Multiplication Tables					
X	2	3	5	10	
1	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	
11	22	33	55	110	
12	24	36	60	120	

Place Value Grid		
hundreds	tens	ones
100	10	1

3D Shapes	
Faces, Edge and Vertices	

Derived Facts	
<p>whole</p>	
<p>part + part = whole part + part = whole whole = part + part whole = part + part whole - part = part whole - part = part part = whole - part part = whole - part</p>	<p>3 + 1 = 4 1 + 3 = 4 4 = 3 + 1 4 = 1 + 3 4 - 3 = 1 4 - 1 = 3 1 = 4 - 3 3 = 4 - 1</p>

Time		
Quarter Past		The minute hand points to three and the hour hand points past the hour.
Quarter To		The minute hand points to nine and the hour hand points near the next hour.

Numbers to 1000			
100	one hundred	600	six hundred
200	two hundred	700	seven hundred
300	three hundred	800	eight hundred
400	four hundred	900	nine hundred
500	five hundred	1000	one thousand