

# Year Two Maths Organiser

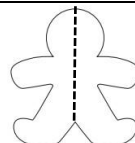
| Doubles |    |
|---------|----|
| 11      | 22 |
| 12      | 24 |
| 13      | 26 |
| 14      | 28 |
| 15      | 30 |
| 16      | 32 |
| 17      | 34 |
| 18      | 36 |
| 19      | 38 |
| 20      | 40 |

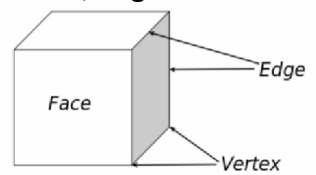
| Halves |    |
|--------|----|
| 22     | 11 |
| 24     | 12 |
| 26     | 13 |
| 28     | 14 |
| 30     | 15 |
| 32     | 16 |
| 34     | 17 |
| 36     | 18 |
| 38     | 19 |
| 40     | 20 |

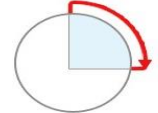
| Bonds To 20 |    |
|-------------|----|
| 0           | 20 |
| 1           | 19 |
| 2           | 18 |
| 3           | 17 |
| 4           | 16 |
| 5           | 15 |
| 6           | 14 |
| 7           | 13 |
| 8           | 12 |
| 9           | 11 |
| 10          | 10 |

| 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      |
| $\frac{1}{2} = \frac{2}{4}$ |                |

| 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 |  |

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

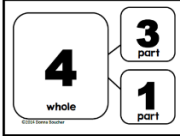
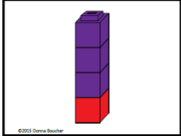
| 3D Shapes                                                                             |  |
|---------------------------------------------------------------------------------------|--|
| Faces, Edge and Vertices                                                              |  |
|  |  |

| Turns                                                                                                                                                     |                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quarter Turn</b><br><br>1 right angle<br>quarter turn<br><b>90°</b> | <b>Three-quarter Turn</b><br><br>3 right angles<br>3 quarter turns<br><b>270°</b> |

| Time                |                                                                                     |                                                                         |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Quarter Past</b> |  | The minute hand points to three and the hour hand points past the hour. |
| <b>Quarter To</b>   |  | The minute hand points to nine and the hour hand points past the 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  |

| 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 |

| Derived Facts                                                                                                                                                           |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|   |           |
| part + part = whole                                                                                                                                                     | 3 + 1 = 4 |
| part + part = whole                                                                                                                                                     | 1 + 3 = 4 |
| whole = part + part                                                                                                                                                     | 4 = 3 + 1 |
| whole = part + part                                                                                                                                                     | 4 = 1 + 3 |
| whole - part = part                                                                                                                                                     | 4 - 3 = 1 |
| whole - part = part                                                                                                                                                     | 4 - 1 = 3 |
| part = whole - part                                                                                                                                                     | 1 = 4 - 3 |
| part = whole - part                                                                                                                                                     | 3 = 4 - 1 |

| Place Value Grid |          |      |      |
|------------------|----------|------|------|
|                  | hundreds | tens | ones |
| Numeral          | 100      | 10   | 1    |