


Year 1 Mathematics Knowledge Organiser

Number Bonds within Ten

| 6 | | 7 | | 8 | | 9 | | 10 | |
|---|---|---|---|---|---|---|---|----|----|
| 0 | 6 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 |
| 1 | 5 | 1 | 6 | 1 | 7 | 1 | 8 | 1 | 9 |
| 2 | 4 | 2 | 5 | 2 | 6 | 2 | 7 | 2 | 8 |
| 3 | 3 | 3 | 4 | 3 | 5 | 3 | 6 | 3 | 7 |
| | | | | 4 | 4 | 4 | 5 | 4 | 6 |
| | | | | | | 5 | 5 | 5 | 5 |

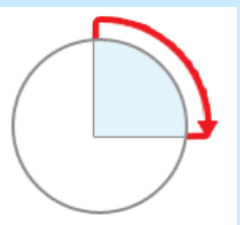
Telling the Time

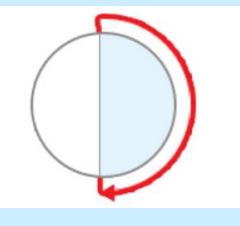
| | |
|---------------------|---|
| Half past |  The long minute hand points to six and the short hour hand points past the hour. |
| Hours in a day | 24 hours |
| Minutes in an hour | 60 minutes |
| Seconds in a minute | 60 seconds |
| a.m. | morning |
| p.m. | afternoon |
| Midday/Noon | 12.00 p.m. |
| Midnight | 12.00 a.m. |

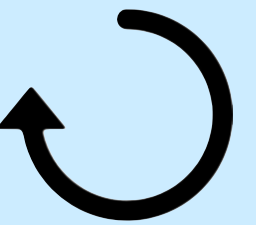
Numerals and Number Names to 100

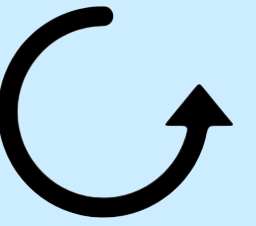
| | | | | | | | |
|----|--------------|----|--------------|----|---------------|-----|---------------|
| 0 | zero | 25 | twenty five | 50 | fifty | 75 | seventy five |
| 1 | one | 26 | twenty six | 51 | fifty one | 76 | seventy six |
| 2 | two | 27 | twenty seven | 52 | fifty two | 77 | seventy seven |
| 3 | three | 28 | twenty eight | 53 | fifty three | 78 | seventy eight |
| 4 | four | 29 | twenty nine | 54 | fifty four | 79 | seventy nine |
| 5 | five | 30 | thirty | 55 | fifty five | 80 | eighty |
| 6 | six | 31 | thirty one | 56 | fifty six | 81 | eighty one |
| 7 | seven | 32 | thirty two | 57 | fifty seven | 82 | eighty two |
| 8 | eight | 33 | thirty three | 58 | fifty eight | 83 | eighty three |
| 9 | nine | 34 | thirty four | 59 | fifty nine | 84 | eighty four |
| 10 | ten | 35 | thirty five | 60 | sixty | 85 | eighty five |
| 11 | eleven | 36 | thirty six | 61 | sixty one | 86 | eighty six |
| 12 | twelve | 37 | thirty seven | 62 | sixty two | 87 | eighty seven |
| 13 | thirteen | 38 | thirty eight | 63 | sixty three | 88 | eighty eight |
| 14 | fourteen | 39 | thirty nine | 64 | sixty four | 89 | eighty nine |
| 15 | fifteen | 40 | forty | 65 | sixty five | 90 | ninety |
| 16 | sixteen | 41 | forty one | 66 | sixty six | 91 | ninety one |
| 17 | seventeen | 42 | forty two | 67 | sixty seven | 92 | ninety two |
| 18 | eighteen | 43 | forty three | 68 | sixty eight | 93 | ninety three |
| 19 | nineteen | 44 | forty four | 69 | sixty nine | 94 | ninety four |
| 20 | twenty | 45 | forty five | 70 | seventy | 95 | ninety five |
| 21 | twenty one | 46 | forty six | 71 | seventy one | 96 | ninety six |
| 22 | twenty two | 47 | forty seven | 72 | seventy two | 97 | ninety seven |
| 23 | twenty three | 48 | forty eight | 73 | seventy three | 98 | ninety eight |
| 24 | twenty four | 49 | forty nine | 74 | seventy four | 99 | ninety nine |
| | | | | | | 100 | one hundred |

Turns

Quarter Turn 

Half Turn 

Clockwise 

Anticlockwise 

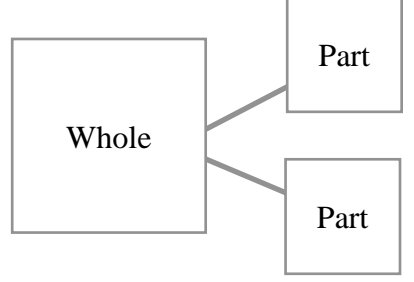
Addition and Subtraction Language

| | |
|-------------|------------|
| $3 + 5 = 8$ | addend |
| $3 + 5 = 8$ | addend |
| $3 + 5 = 8$ | sum |
| $8 - 5 = 3$ | minuend |
| $8 - 5 = 3$ | subtrahend |
| $8 - 5 = 3$ | difference |

Odd and Even

| | |
|--------------|-------------------------------------|
| odd numbers | numbers ending with 1, 3, 5, 7 or 9 |
| even numbers | numbers ending with 2, 4, 6, 8 or 0 |

Part Whole & Derived Facts

Whole 

part + part = whole
 part + part = whole
 whole - part = part
 whole - part = part

$3 + 5 = 8$
 $5 + 3 = 8$
 $8 - 3 = 5$
 $8 - 5 = 3$


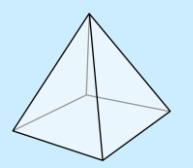
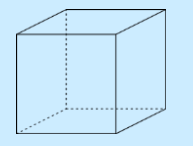

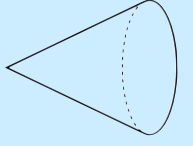

Halves and Doubles

| Halves | | Doubles | |
|--------|----|---------|----|
| 12 | 6 | 6 | 12 |
| 14 | 7 | 7 | 14 |
| 16 | 8 | 8 | 16 |
| 18 | 9 | 9 | 18 |
| 20 | 10 | 10 | 20 |

2D Shapes

| | |
|-----------|---|
| Circle | 1 curved side 0 vertices |
| Triangle | 3 straight sides 3 vertices |
| Rectangle | 4 straight sides 4 right-angled vertices |

3D Shapes

| | |
|----------|---|
| Sphere |  |
| Pyramid |  |
| Cube |  |
| Cuboid |  |
| Cone |  |
| Cylinder |  |

Symbols

| | |
|---|-------------------|
| + | plus add |
| - | subtract minus |
| = | is equal to |