

**Pupils in Year 1 should be able to do these by the end of school year:**

- Read and write numerals from 0 to 100; use knowledge of place value to position these numbers on a number track and number line.
- Derive and recall all pairs of numbers with a total of 20; work out the corresponding subtraction facts.
- Use the vocabulary and symbols related to addition and subtraction to record addition and subtraction number sentences.
- Recognise odd and even numbers
- Double and half numbers to 20
- Recognise half ( $\frac{1}{2}$ ) of a shape, object or quantity
- Say one more/less of any given number up to 100
- Count on and back in 1s, 2s, 5s and 10s
- Visualise and name common 2-D shapes and 3-D solids and describe their features; use them to make patterns, pictures and models.
- Talk about and tell the difference between days, months and years in the date
- Tell the time to the nearest 15 minutes
- Add and subtract 1 and 10 from a 2 digit number

**Pupils in Year 2 should be able to do these by the end of school year:**

- Explain what each digit in a two-digit number represents, including numbers where 0 is a place holder; partition two-digit numbers in different ways, including into multiples of 10 and 1.
- Count forwards and backwards in steps of 2, 3, 5, and 10; count forwards and backward in 10 from any number e.g. 2, 12, 22, 32
- Read, write and order numbers to 100 in numerals and words
- Know and use number bonds to 20 without having to think about it
- Mentally add two tens numbers to 100 (number bonds to 100) e.g.  $30 + 70 = 100$
- Know and use inverse operations
- Know by heart the  $\times 2$ ,  $\times 3$ ,  $\times 5$  and  $\times 10$  tables and division facts
- Use the symbols  $+$ ,  $-$ ,  $\times$ ,  $\div$  and  $=$  to record and interpret number sentences involving all four operations.
- Tell time to the nearest 5 minutes
- Visualise common 2-D shapes and 3-D solids; identify shapes from pictures of them in different positions and orientations; sort, make, describe and compare shapes referring to their properties (including right angles and symmetry)
- Read scales to the nearest numbers

**Pupils in Year 3 should be able to do these by the end of school year:**

- Read, write and order numbers up to 1000 (in numerals and words). Know what each digit is worth.
- Partition numbers into hundreds, tens and ones in lots of different ways
- Count on or back in steps of 4, 8, 50 and 100
- Mentally add and subtract a 3 digit number and a hundreds/tens/ones number
- Know by heart the 2, 3, 4, 5, 8, 10 and 11 times tables.
- Use inverse operations to check answers (including missing number problems)
- Draw, make, describe, recognise and complete shapes in lots of different orientations (with reflective symmetry; draw the reflection of a shape in a mirror line along one side)
- Read time to the nearest 5 minutes using am, pm, morning, afternoon, night and midnight
- Tell, write and convert between the 12 hour and 24 hour clock (including roman numerals)

**Pupils in Year 4 should be able to do these by the end of school year:**

- Know all the tables by heart to 12x12 including related division facts
- Read, write, partition and order numbers to 10,000 and know what each digit represents (using the = < and > symbols)
- Count in multiples of 6, 7, 9, 25 and 1000
- Count backwards through zero
- Find 1000 more or less than any given number
- Make a sensible estimate and check the answer using inverse operation
- Mentally add and subtract a 4 digit number and a thousands/hundreds/tens/ones number
- Know decimal equivalents to  $\frac{1}{4}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$
- Convert between units of measure (e.g cm-m and £-p)