

## Mathematics

### Year 2

<b>Numeracy</b> <b>(Strands from Active Learn – Abacus)</b>	<p><b>Autumn Term 1</b></p> <p>NPV.18 Estimate a set of objects (<math>\leq 100</math>) and count in 5s or 10s to check</p> <p>NPV.19 Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line and solving place value additions and subtractions</p> <p>NPV.20 Order and compare 2-digit numbers and say a number between. Use language: equal to, more than, less/fewer than, most, least</p> <p>MAS.02 Find addition pairs to 6 and subitise to 6</p> <p>MAS.03 Find addition pairs to 7 and subitise to 7</p> <p>MAS.06 Find addition pairs to 8 and subitise to 8</p> <p>MAS.11 Find addition pairs to 9 and subitise to 9</p> <p>MAS.12 Find number bonds to 10 and subitise to 10</p> <p>MAS.34 Know the multiple of 10 bonds to 100 and use to derive the multiple of 5 bonds to 100</p> <p>MAS.19 Recall number facts to 20; number pairs (4 to 20) and bonds to 10 and 20</p> <p>MMD.21 Double numbers to 20, including partitioning teen numbers, and find related halves</p> <p>MAS.19 Recall number facts to 20; number pairs (4 to 20) and bonds to 10 and 20</p> <p>MAS.23 Add 1-digit to 2-digit numbers, bridging 10 and using known facts</p> <p>MAS.36 Know number bonds to 100</p> <p>MAS.24 Subtract 1-digit from 2-digit numbers, bridging 10 and using known facts</p> <p>GPS.14 Sort 2D shapes into Venn diagrams using properties incl. symmetry</p> <p>GPS.16 Begin to identify right angles in pictures and shapes</p> <p>GPS.17 Sort 2D shapes by number of sides and corners (incl. right angles) using Venn diagrams</p> <p>GPS.05 Recognise, name and describe squares, rectangles, circles and triangles</p> <p>GPS.20 Recognise and name several 2D shapes and discover which tessellate</p> <p>GPS.18 Sort shapes according to their properties using a 2-way Carroll diagram</p> <p>STA.12 Sort objects on to a Carroll diagram (two by two)</p>	<p><b>Spring Term 1</b></p> <p>NPV.19 Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line and solving place value additions and subtractions</p> <p>NPV.20 Order and compare 2-digit numbers and say a number between. Use language: equal to, more than, less/fewer than, most, least</p> <p>MAS.20 Add or subtract 10 from 2-digit numbers</p> <p>MAS.26 Add and subtract 9 and 11 to and from 2-digit numbers</p> <p>MAS.12 Find number bonds to 10 and subitise to 10</p> <p>MAS.23 Add 1-digit to 2-digit numbers, bridging 10 and using known facts</p> <p>MAS.19 Recall number facts to 20; number pairs (4 to 20) and bonds to 10 and 20</p> <p>MAS.29 Add 1-digit to 2-digit numbers to reach the next multiple of 10</p> <p>MAS.33 Subtract 2-digit from 2-digit numbers by counting up</p> <p>MAS.29 Add 1-digit to 2-digit numbers to reach the next multiple of 10</p> <p>MAS.33 Subtract 2-digit from 2-digit numbers by counting up</p> <p>MAS.12 Find number bonds to 10 and subitise to 10</p> <p>MAS.19 Recall number facts to 20; number pairs (4 to 20) and bonds to 10 and 20</p> <p>MAS.21 Find change from 10p and 20p by counting up</p> <p>MAS.27 Find change from 20p and 50p by counting up</p> <p>MAS.28 Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back</p> <p>MEA.36 Give change using appropriate coins and calculating the amount to be given</p> <p>GPS.08 Recognise, name and describe cubes, spheres, cones, cuboids, pyramids</p> <p>GPS.28 Identify 2D shapes on the faces of 3D shapes, e.g. circle on a cone and triangle on a tetrahedron</p> <p>GPS.27 Make cubes, cuboids and pyramids using modelling materials</p> <p>GPS.38 Make cuboids, cubes, tetrahedra and pyramids from nets</p>	<p><b>Summer Term 1</b></p> <p>NPV.19 Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line and solving place value additions and subtractions</p> <p>NPV.20 Order and compare 2-digit numbers and say a number between. Use language: equal to, more than, less/fewer than, most, least</p> <p>NPV.29 Count in 1s beyond 100</p> <p>NPV.30 Recognise and read numbers above 100</p> <p>MAS.28 Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back</p> <p>MAS.18 Add several 1-digit numbers</p> <p>MAS.15 Use number facts to 10 to solve problems including word problems</p> <p>MAS.19 Recall number facts to 20; number pairs (4 to 20) and bonds to 10 and 20</p> <p>MAS.29 Add 1-digit to 2-digit numbers to reach the next multiple of 10</p> <p>MAS.33 Subtract 2-digit from 2-digit numbers by counting up</p> <p>MAS.24 Subtract 1-digit from 2-digit numbers, bridging 10 and using known facts</p> <p>MAS.28 Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back</p> <p>MAS.30 Add pairs of 2-digit numbers using partitioning (totals <math>&lt; 100</math>)</p> <p>MAS.31 Add pairs of 2-digit numbers with a total <math>\leq 198</math></p> <p>MEA.11 Compare and measure weights using non-standard uniform units</p> <p>MEA.30 Choose and use appropriate standard units to measure weights (mass)</p> <p>MEA.37 Read relevant scales to the nearest numbered unit</p> <p>MEA.18 Compare and measure the capacities of containers using uniform non-standard units</p> <p>MEA.31 Choose and use appropriate standard units to measure capacities</p> <p>STA.35 Interpret and complete block graphs where 1 block represents 2 items</p>
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NPV.19 Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line and solving place value additions and subtractions  
 NPV.20 Order and compare 2-digit numbers and say a number between. Use language: equal to, more than, less/fewer than, most, least  
 MAS.17 Subtract 1-digit from 2-digit numbers including 2-digit multiples of 10 by counting back  
 MAS.20 Add or subtract 10 from 2-digit numbers

GPD.12 Describe positions using 3D shapes  
 MEA.28 Tell the time to the nearest quarter of an hour using digital and analogue clocks  
 NPV.20 Order and compare 2-digit numbers and say a number between. Use language: equal to, more than, less/fewer than, most, least  
 NPV.19 Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line  
 NPV.24 Round 2-digit numbers up or down to the nearest 10  
 NPV.18 Estimate a set of objects ( $\leq 100$ ) and count in 5s or 10s to check and solving place value additions and subtractions

**Spring Term 2**

MMD.19 Double numbers to 12 and find related halves  
 MMD.21 Double numbers to 20, including partitioning teen numbers, and find related halves  
 MMD.36 Double and halve numbers to 100, including partitioning 2-digit numbers  
 FRP.20 Find  $\frac{1}{2}$  of odd numbers  
 FRP.12 Understand that a fraction is an equal part of a whole;  $\frac{1}{2}$ s and  $\frac{1}{4}$ s of shapes  
 FRP.23 Understand the concept of a unit fraction;  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$   
 FRP.27 Place  $\frac{1}{2}$ s and  $\frac{1}{4}$ s on a number line  
 FRP.19 Count in halves beyond 1 to 10  
 FRP.21 Count in  $\frac{1}{4}$ s beyond 1, not saying equivalent fractions  
 MMD.14 Count in 2s to 20  
 MMD.17 Count in 10s to 100  
 MMD.18 Count in 5s to 50  
 MMD.20 Recall multiplication and division facts for the  $\times 10$  table  
 MMD.26 Count in 2s and recall multiplication and division facts for the  $\times 2$  table  
 MMD.27 Count in 5s and recall multiplication and division facts for the  $\times 5$  table  
 MMD.35 Understand multiplication as repeated addition and as scaling  
 MMD.23 Multiply using arrays and friendly numbers  
 MEA.28 Tell the time to the nearest quarter of an hour using digital and analogue clocks  
 MEA.23 Recognise and use language relating to date, including days, weeks, months and years

MMD.32 Double multiples of 5 and 10 to 50 and find related halves  
 MMD.36 Double and halve numbers to 100, including partitioning 2-digit numbers  
 MMD.28 Begin to relate division to fractions using sharing  
 FRP.13 Understand that a fraction is an equal part of a whole;  $\frac{1}{2}$ s and  $\frac{1}{4}$ s of lengths and numbers  
 FRP.18 Find  $\frac{1}{2}$  and  $\frac{1}{4}$  of multiples of 2 and 4 up to 20  
 FRP.25 Use fraction strips to find fractions of amounts  
 FRP.26 Find unit fractions of small numbers

**Summer Term 2**

MAS.28 Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back  
 MAS.58 Understand addition and subtraction as inverses of each other and use this to find relationships  
 MAS.18 Add several 1-digit numbers  
 MAS.21 Find change from 10p and 20p by counting up  
 NPV.26 Begin to write amounts of money as pounds and pence, with no placeholder 0 in the 10s  
 MEA.38 Recognise and use symbols for pounds and pence. Record amounts using  $\pounds$ .p notation  
 MMD.29 Count in 3s  
 MMD.30 Recall multiplication and division facts for the  $\times 3$  table  
 MMD.23 Multiply using arrays and friendly numbers  
 MMD.31 Understand that multiplication is commutative and use it in mental calculations  
 MMD.24 Understand the link between multiplication and grouping  
 MMD.37 Understand division as the inverse of multiplication  
 MMD.20 Recall multiplication and division facts for the  $\times 10$  table  
 MMD.26 Count in 2s and recall multiplication and division facts for the  $\times 2$  table  
 MMD.27 Count in 5s and recall multiplication and division facts for the  $\times 5$  table  
 MEA.29 Choose and use appropriate standard units to measure lengths and heights in any direction  
 MEA.37 Read relevant scales to the nearest numbered unit  
 MEA.40 Tell the time to the nearest five minutes using digital and analogue clocks  
 MEA.41 Begin to say the time ten minutes, or twenty minutes, later or earlier

## **Autumn Term 2**

NPV.09 Say ordinal numbers ( $\leq 20$ )  
NPV.19 Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line and solving place value additions and subtractions  
NPV.13 Understand place value in teen numbers  
MEA.22 Recognise and know the value of 1p, 2p, 5p, 10p, 20p, 50p and £1 coins  
MAS.20 Add or subtract 10 from 2-digit numbers  
MAS.25 Add and subtract multiples of 10 to and from a 2-digit number  
MAS.16 Add 1-digit to 2-digit numbers and add to next multiple of 10, by counting on  
MAS.17 Subtract 1-digit from 2-digit numbers including 2-digit multiples of 10 by counting back  
MAS.29 Add 1-digit to 2-digit numbers to reach the next multiple of 10  
NPV.17 Count on and back in 10s from any number up to 100  
GPD.09 Describe position, direction and movements including half turns, using common words  
MEA.29 Choose and use appropriate standard units to measure lengths and heights in any direction  
MAS.28 Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back  
MAS.18 Add several 1-digit numbers  
MAS.19 Recall number facts to 20; number pairs (4 to 20) and bonds to 10 and 20  
MMD.15 Double numbers to 10 and find related halves  
MMD.14 Count in 2s to 20  
MMD.17 Count in 10s to 100  
MMD.18 Count in 5s to 50  
MEA.33 Combine amounts to make particular values; match different combinations of coins to make equal amounts of money

MEA.26 Identify appropriate units of time to measure a duration (minutes, hours, days, weeks, months, years) represents 1 item  
STA.24 Begin to read and construct tally charts  
STA.28 Interpret and complete pictograms where 1 symbol  
STA.29 Interpret and complete block graphs where 1 block represents 1 item  
STA.47 Interpret and present data using bar charts where one division represents one unit  
STA.23 Read and enter data in tables  
STA.34 Interpret and complete pictograms where 1 symbol represents 2 items  
MMD.20 Recall multiplication and division facts for the  $\times 10$  table  
MMD.23 Multiply using arrays and friendly numbers  
MMD.26 Count in 2s and recall multiplication and division facts for the  $\times 2$  table  
MMD.27 Count in 5s and recall multiplication and division facts for the  $\times 5$  table  
MMD.29 Count in 3s  
MMD.33 Count on and back in 4s  
MMD.24 Understand the link between multiplication and grouping  
MMD.25 Begin to understand division as 'how many groups of..?'  
MEA.22 Recognise and know the value of 1p, 2p, 5p, 10p, 20p, 50p and £1 coins  
MEA.24 Recognise and know the value of £2 coins and £5, £10, £20, £50 notes  
MEA.33 Combine amounts to make particular values; match different combinations of coins to make equal amounts of money  
MEA.38 Recognise and use symbols for pounds and pence. Record amounts using £.p notation  
MEA.34 Add and subtract money of the same unit; solving money problems in a practical context  
NPV.26 Begin to write amounts of money as pounds and pence, with no placeholder 0 in the 10s  
NPV.35 Write amounts of money as pounds and pence, including placeholder 0 in the 10s  
MAS.28 Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back

MAS.30 Add pairs of 2-digit numbers using partitioning (totals  $< 100$ )  
MMD.27 Count in 5s and recall multiplication and division facts for the  $\times 5$  table  
MAS.33 Subtract 2-digit from 2-digit numbers by counting up  
MMD.26 Count in 2s and recall multiplication and division facts for the  $\times 2$  table  
MMD.30 Recall multiplication and division facts for the  $\times 3$  table  
MMD.34 Recall multiplication and division facts for the  $\times 4$  table  
MMD.35 Understand multiplication as repeated addition and as scaling  
MMD.24 Understand the link between multiplication and grouping  
MMD.25 Begin to understand division as 'how many groups of..?'  
MMD.37 Understand division as the inverse of multiplication  
NPV.20 Order and compare 2-digit numbers and say a number between. Use language: equal to, more than, less/fewer than, most, least  
NPV.19 Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line and solving place value additions and subtractions  
NPV.33 Understand place value in 3-digit numbers by creating 3-digit numbers, placing them on a number line and solving place value additions and subtractions  
MAS.36 Know number bonds to 100  
MAS.47 Quickly work out or recall bonds to 100 and to the next 100