



Year 2 MATHS Subject Map



Place Value Addition and Subtraction Properties of shapes	Multiplication and Division Money Measurement: length and height Measurement: Mass, capacity and temperature	Measurement: Mass, capacity and temperature Fractions Statistics Time Position and movement
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AGE RELATED EXPECTATIONS

WORKING TOWARDS ARE

- Count to and across 100 forwards and backwards beginning with 0,1 or any given number .
- Count, read and write numbers to 100 in numerals from 0 in twos, fives and tens.
- Write numerals from 1 to 20 in words.
- Begin to recognise simple fractions and know that all parts must be equal parts of the whole, including halves and quarters.
- Read, write and interpret mathematical statements including addition (+), subtraction (-) and equals (=) signs.
- Add and subtract to 20, including a two digit number and ones.
- A two digit number and tens where no regrouping is required.
- Demonstrate their method using concrete operations or pictorial representations .
- Recognise and know different denominations of coins and notes.
- Recognise and name shapes from a group of shapes or pictures of the shapes triangles, rectangles, squares, circles.
- Cuboids, cubes, pyramids, spheres.
- Describe position, direction and movement for whole and half turns.
- Quarter and three quarter turns.

MATHEMATICAL LANGUAGE	MULTIPLICATION AND DIVISION	MEASUREMENT	SHAPE AND GEOMETRY
3. Write numerals from 1 to 20 in words.	21. Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers 22. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication, division and equals signs. 23. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. 24. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	27. Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels 28. Compare and order lengths, mass, volume/capacity and record the results using >, < and = 29. Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value 30. Use different coins to make the same amount. 31. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	36. Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line 37. Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces 38. Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] 39. Compare and sort common 2-D and 3-D shapes and everyday objects
PLACE VALUE	FRACTIONS, DECIMALS AND PERCENTAGES	32. Compare and sequence intervals of time 33. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times 34. Know the number of minutes in an hour and the number of hours in a day. 35a. Read scales in a practical situation where all numbers on the scale are given in divisions of ones/twos . 35b. Fives/tens.	DIRECTION AND POSITION
9a. Recall and use multiplication and division facts to solve simple problems, demonstrating an understanding of commutativity as necessary 2x 9b. 5x 9c. 10x 9d. 3x 10. Compare and order numbers from 0 to 100; use <, > and = signs 11. Read and write numbers to at least 100 in numerals and words 12. Use place value and number facts to solve problems	25. Identify 1/3, 1/4, 1/2, 2/4, 3/4 and know that all parts must be equal parts of the whole. 26. Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2		40. Order and arrange combinations of mathematical objects in patterns and sequences 41. Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)
ADDITION AND SUBTRACTION			STATISTICS AND DATA HANDLING
13. Solve problems with addition and subtraction using concrete objects and pictorial representations 14. Add and subtract numbers and can demonstrate their method using concrete apparatus or pictorial representations. 14a. a two digit number and ones 14b. a two digit number and tens 14c. two two-digit numbers 14d. adding three one-digit numbers 15. Show that addition of two digit numbers can be done in any order (commutative) and subtraction of one number from another cannot 16. Applying their increasing knowledge of mental and written methods 17. Partition two-digit numbers into different combinations of tens and ones. This may include using apparatus. 18. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts to 100. 19. Recognise the inverse relationships between addition and subtraction use this to check calculations. 20. Use estimation to check that their answers to a calculation are reasonable .			42a. Ask and answer simple questions by counting the number of objects in each category and sorting the categories. 42b. Ask and answer questions about totalling and comparing categorical data. 42c. Interpret and construct simple pictograms, tally charts, block diagrams and simple tables