

Year 2 Mathematics

Number and place value

1. I can count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.
2. I can read and write numbers to at least 100 in numerals and in words.
3. I can compare and order numbers from 0 up to 100; using $<$ $>$ $=$ signs.
4. I recognise the place value of each digit in a 2-digit number.
5. I can identify, represent and estimate numbers using different representations, including the number line.
6. I can use place value and number facts to solve problems.

Calculations

7. I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.
8. I can add and subtract mentally, including:
 9. A 2-digit number and ones
 10. A 2-digit number and tens
 11. Two 2-digit numbers
 12. Adding three 1-digit numbers
13. I can add and subtract numbers using concrete objects and pictorial representations, including:
 14. A 2-digit number and ones
 15. A 2-digit number and tens
 16. Two 2-digit numbers
 17. Adding three 1-digit numbers
18. I recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.
19. I can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
20. I can solve problems with addition and subtraction applying my increasing knowledge of mental and written methods.
21. I can recall and use multiplication and division facts for the 2, 5 and 10x tables, including recognising odd and even numbers.
22. I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication, division and equals signs.

- 23.I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.
- 24.I can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.
- 25.I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

Fractions

- 26.I recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.
- 27.I can write simple fractions.
- 28.I recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.

Measurement

- 29.I can compare and order lengths, mass, volume/capacity and record the results using $>$ $<$ and $=$.
- 30.I can choose and use standard units to estimate and measure length/height in any direction in m and cm using rulers.
31. I can choose and use standard units to estimate and measure mass in kg and g using scales.
- 32.I can choose and use standard units to estimate and measure temperature in $^{\circ}\text{C}$ using thermometers.
- 33.I can choose and use standard units to estimate and measure capacity in l and ml using measuring vessels.
- 34.I recognise and use symbols for £ and p and combine amounts to make a particular value.
- 35.I can find different combinations of coins that equal the same amount of money.
- 36.I can tell and write the time to five minutes, including quarter to/past and draw the hands on a clock face to show these times.
- 37.I can compare and sequence intervals of time.
- 38.I know the number of minutes in an hour.
- 39.I know the number of hours in a day.
- 40.I can solve simple problems in a practical context involving addition and subtraction of money of the same units, including giving change.

Geometry - properties of shapes

41. I can compare and sort common 2D shapes and everyday objects.
- 42.I can compare and sort common 3D shapes and everyday objects.

- 43.I can identify and describe the properties of 2D shapes, including the number of sides and line of symmetry in a vertical line.
- 44.I can identify and describe the properties of 3D shapes including the number of edges, vertices and faces.
- 45.I can identify 2D shapes on the surface of 3D shapes.

Geometry - position and direction

- 46.I can order and arrange combinations of mathematical objects in patterns and sequences.
- 47.I can 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 anti clockwise)).

Statistics

- 48.I can interpret and construct simple pictograms.
- 49.I can interpret and construct tally charts.
- 50.I can interpret and construct block diagrams.
- 51. I can interpret and construct simple tables.
- 52.I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
- 53.I can ask and answer questions about totalling and comparing categorical data.

