

Year 2 Maths Checklist

Name:

Number – Number and Place Value

- Count in steps of 2, 3 and 5 from 0 and in tens from any number, forwards and backwards.
- Recognise the place value of each digit in a two-digit number (tens and ones).
- Identify, represent and estimate numbers using different representations, including the number line.
- Compare and order numbers from 0 up to 100; use $<$ $>$ and $=$ signs.
- Read and write numbers to at least 100 in numerals and words.
- Use place value and number facts to solve problems.

Number – Addition and Subtraction

- Solve problems with addition and subtraction:
 - Using concrete and pictorial representations, including those involving numbers, quantities and measures.
 - Applying their increasing knowledge of mental and written methods.
- Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.
- Add and subtract numbers using concrete objects, pictorial representations and mentally, including:
 - A 2-digit number and ones
 - A 2-digit number and tens
 - Two 2-digit numbers
 - Adding three 1-digit numbers
- Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.
- Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Number – Multiplication and Division

- Recall and use multiplication and division facts for the 2, 5 and 10X tables, including recognising odd and even numbers.
- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the \times , \div and $=$ signs.
- Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.
- Solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.

Number – Fractions

- 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.
- Write simple fractions, for example $\frac{1}{2}$ of $6 = 3$ and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.

Measurement

- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}$ C); capacity (l/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.
- Compare and order lengths, mass, volume/capacity and record the results using $<$ $>$ and $=$.
- Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.
- Find different combinations of coins that equal the same amounts of money.
- Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
- Compare and sequence intervals of time.

- Tell and write the time to 5 minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
- Know the number of minutes in an hour / number of hours in a day.

Geometry – Shape

- Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.
- Identify and describe the properties of 3D shapes (e.g. a circular face on a cylinder or a triangular face on a pyramid).
- Compare and sort common 2D and 3D shapes and everyday objects.

Geometry – Position and Direction

- Order and arrange combinations of mathematical objects in patterns and sequences.
- 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

- Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
- Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
- Ask and answer questions about totalling and comparing categorical data.