



ST RICHARD'S
SCHOOL

Year 2 Maths

End of Year Expectations

NUMBER AND PLACE VALUE

- Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- Recognise the place value of each digit in a two-digit number (tens, 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 in words
- Use place value and number facts to solve problems.

FRACTIONS

- Recognise, find, name and write the fractions $\frac{1}{2}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.
- Write simple fractions for example $\frac{1}{2}$ of 6.
- Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.

GEOMETRY

- Identify and describe the properties of 2-D shapes, including the number of sides and lines of symmetry.
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- Identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a pyramid]
- Compare and sort common 2-D and 3-D shapes and everyday objects.
- Order and arrange combinations of mathematical objects in patterns and sequences.

ADDITION AND SUBTRACTION

- Solve addition and subtraction problem using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
- Solve addition and subtraction problems by applying an increasing knowledge of mental and written methods.
- Recall and use addition and subtraction facts to 20 fluently.
- Derive and use related facts up to 100.
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.
- Show that the 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

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.

MULTIPLICATION AND DIVISION

- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.
- Recognise odd and even numbers.
- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs.
- Show that multiplication 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 context.

MEASUREMENT

- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm), mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (l/ml) using different equipment.
- Compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$.
- Recognise and use symbols for pounds (\pounds) and pence (p).
- 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 five 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 and the number of hours in a day.
- Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line.
- Use mathematical vocabulary to distinguish between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).

