



Year 2 End of Year Maths Expectations

Working at the Expected Standard (EXP):

Pupil(s) are confidently and independently able to apply their knowledge:

Number & Place Value

- Count in steps of 2, 3, and 5 from 0, and in 10s 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 up to at least 100 in numerals and in words.
- Use place value and number facts to solve problems.

Addition & Subtraction

- Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
- Solve problems with addition and subtraction, applying his/her 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 two-digit number and ones.
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and tens.
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including two two-digit numbers.
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including adding three one-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.

Multiplication & Division

- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising 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 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.


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 $\frac{1}{2}$.

Properties of Shape

- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- 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 e.g. a circle on a cylinder and a triangle on a pyramid.
- Compare and sort common 2-D and 3-D shapes and everyday objects.

Position & 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).
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Measurement

- 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.
- 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 five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
- Remember the number of minutes in an hour and the number of hours in a day.

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.
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