LEVEL 3

Can you tick all of these boxes??

- ☐ Understand place value in number up to 1000
- ☐ Recognise negative numbers in real life contexts
- ☐ Add and subtract 2 digit numbers mentally
- ☐ Add and subtract 3 digit number using written methods
- ☐ Recall the 2, 3, 4, 5 and 10 times tables
- ☐ Understand simple fractions
- ☐ Classify 3D and 2D shapes in various ways using mathematical properties
- ☐ Use non standard units, standard metric units of length, capacity and mass and standard units of time
- ☐ Interpret information presented in simple tables and lists
- ☐ Construct bar charts and pictograms

LEVEL 4

Can you tick all of these boxes??

- ☐ Multiply and divide whole numbers by 10 and 100
- ☐ Solve number problems using addition, subtraction, multiplication and division
- ☐ Use written methods for addition, subtraction, multiplication and division
- ☐ Add and subtract decimals with two decimal places
- ☐ Order decimals with 3 decimal places
- ☐ Use approximation to check answers are sensible
- ☐ Describe simple proportions using fraction and percentages
- ☐ Recognise and describe number patterns
- ☐ Understand multiples, factors and squares
- ☐ Plot coordinates in the first quadrant
- ☐ Draw common 2D shapes in different orientation on grids
- ☐ Reflect simple shapes in a mirror line
- ☐ Choose and use appropriate units and instruments, interpreting, with appropriate accuracy, numbers on a range of measuring instruments
- ☐ Find perimeters of simple shapes and find areas by counting squares
- ☐ Collect discrete data and record them using a frequency table
- ☐ Understand and use the mode and range to describe sets of data
- ☐ Group data, where appropriate, in equal class intervals, represent collected data in frequency diagrams and interpret such diagrams
- ☐ Construct and interpret simple line graphs

LEVEL 5

Can you tick all of these boxes??

- ☐ Multiply and divide whole numbers and decimals by 10, 100 and 1000
- ☐ Add and subtract negative numbers in context
- ☐ Use all four operations with decimals to two places
- ☐ Simplify fractions
- ☐ Solve simple problems involving ratio and direct proportion
- ☐ Fractional or percentage parts of quantities and measurements
- ☐ Multiply and divide any 3 digit number by any 2 digit number
- ☐ Use simple formulae involving one or two operations
- ☐ Use and interpret coordinates in all four quadrants
- ☐ Measure and draw angles to the nearest degree
- ☐ Know the angle sum of a triangle and that of angles at a point
- ☐ Identify all the symmetries of 2D shapes
- ☐ Know the rough metric equivalents of imperial units still in daily use and convert one metric unit to another
- ☐ Make sensible estimates of a range of measures in relation to everyday situations
- ☐ Understand and use the formula for the area of a rectangle
- ☐ Understand and use the mean of discreet data
- ☐ Compare two simple distributions, using the range and one of the mode, median or mean
- ☐ Interpret graphs and diagrams, including pie charts, and draw conclusions
- ☐ Understand and use the probability scale from 0 to 1
- ☐ Find and justify probabilities

LEVEL 6

Can you tick all of these boxes??

- ☐ Order and approximate decimals when solving numerical problems and equations
- ☐ Using trial and improvement methods
- ☐ Use the equivalences between fractions, decimals and percentages, and calculate using ratios in appropriate situations
- ☐ Add and subtract fraction by writing them with a common denominator
- ☐ Find and describe in word the rule for the next term or nth term of a sequence where the rule is linear
- ☐ Formulate and solve linear equations with whole number coefficients
- ☐ Use Cartesian coordinates for graphical representation interpreting general features
- ☐ Recognise and use common 2D representations of 3D objects
- ☐ Know and use the properties of quadrilaterals in classifying different types of quadrilateral
- ☐ Solve problems using angle and symmetry properties of polygons and angle properties of intersecting and parallel lines, and explain these properties
- ☐ Understand and use appropriate formulae for finding circumferences and areas of circles, areas of plane rectilinear figures and volumes of cuboids when solving problems
- ☐ Enlarge shapes by a positive whole number scale factor
- ☐ Collect and record continuous data
- ☐ Construct and interpret frequency diagrams
- ☐ Construct pie charts
- ☐ Draw conclusions from scatter diagrams, and have a basic understanding of correlation
- ☐ Deal with a combination of two experiments and identify all the outcomes
- ☐ Know that the total probability of all the mutually exclusive outcomes of an experiment is 1