

## My Learning Journey for Maths

Name: \_\_\_\_\_

| I can                   | Maths - Year 6   | ✓ | Date |
|-------------------------|--|---|------|
| Numbers and Place Value | Read, write, order and compare numbers up to 10,000,000.   |   |      |
|                         | Calculate the value of each digit by partitioning.   |   |      |
|                         | Round any whole number to a required degree of accuracy.   |   |      |
| + - x ÷                 | Multiply numbers up to 4 digits by a 2-digit whole number using an efficient written method.   |   |      |
|                         | Divide numbers up to 4 digits by a 2-digit whole number up to 20 using the efficient written method and interpret remainders as whole number remainders, fractions or by rounding, as appropriate for the context. |   |      |
|                         | Identify common factors, common multiples and revise prime numbers, square numbers and square roots.   |   |      |
|                         | Add and subtract 2 positive and negative numbers e.g. $-3-4=-7$ .  |   |      |
| Fractions               | Identify the value of each digit to three decimal places.  |   |      |
|                         | Multiply and divide numbers by 10, 100 and 1000 where the answers are up to 3 decimal places.  |   |      |
|                         | Convert a fraction to a decimal by dividing.   |   |      |
|                         | Use common factors to simplify fractions.  |   |      |
|                         | Use common multiples to express fractions in the same denomination.  |   |      |
|                         | Compare and order fractions including fractions $>1$ .   |   |      |
|                         | Calculate percentages of whole numbers or measures such as 15% of 360.   |   |      |

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|----------|---|---|------|
| Frac     | Use equivalences between simple fractions, decimals and percentages in different contexts.  |   |      |
| Algebra  | Generate and describe linear number sequences.  |   |      |
|          | Express missing number problems algebraically.  |   |      |
|          | Use simple formulae expressed in words.   |   |      |
|          | Recognise when it is necessary to use the formulae for area and volume of shapes.   |   |      |
| Measures | Solve problems by converting measurements of length, mass, volume and time from a smaller unit to a larger unit and vice versa, using decimal notation to three decimal places. |   |      |
|          | Convert between miles and kilometres.   |   |      |
| Shape    | Recognise, describe and build simple 3-D shapes including making nets.  |   |      |
|          | Recognise parallel and perpendicular planes.  |   |      |
|          | Illustrate and name parts of circles, including radius, diameter and circumference.   |   |      |
|          | Use a protractor to measure the angle of 2D shapes e.g. quadrilaterals.   |   |      |
|          | Describe positions on the full co-ordinates grid (all four quadrants).  |   |      |
| Data     | Create shapes by joining up the co-ordinates.   |   |      |
|          | Calculate and interpret the mean, median and mode.  |   |      |
|          | Understand the terms of probability e.g. certain, impossible.   |   |      |
|          | Solve problems using the probability terms.   |   |      |