

Year 6 Yearly Objectives

| Number | Addition & Subtraction | Ratio & Proportion | Fractions, Decimals & Percentages | Measures | Geometry | Statistics |
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| I can read, write, order and compare numbers up to 10,000,000. | I can multiply multi-digit numbers up to 4 digits by a 2-digit whole number using a written method. | I can use common factors to simplify fractions & use common multiples to express fractions in the same denomination. | I can identify the value of each digit to three decimal places. | I can solve problems involving the calculation & conversion of units of measure, using decimal notation to 3 decimal places when needed. | I can recognise, describe and build simple 3-D shapes, including making nets. | I can interpret pie charts. |
| I can round any whole number. | I can divide numbers up to 4 digits by a 2-digit whole number using a written method. | I can compare and order fractions, including fractions > 1 . | I can multiply and divide numbers by 10, 100 & 1000 where the answers are up to 3 decimal places. | I can read, write & convert between standard units of measure. | I can compare & classify geometric shapes based on their properties & size. | I can construct pie charts. |
| I can use negative numbers in context. | I can interpret remainders as whole number remainders, fractions or by rounding. | I can associate a fraction with division to calculate decimal fraction equivalents (0.375) for a simple fraction ($\frac{3}{8}$). | I can multiply 1- digit numbers with up to 2 decimal places by a whole number. | I can convert between miles and kilometres. | I can find unknown angles in any triangles, quadrilaterals & regular polygons. | I can interpret line graphs. |
| I can calculate intervals across '0' when using negative numbers. | I can calculate mentally, including with mixed operations and large numbers. | I can add & subtract fractions with different denominations & mixed numbers, by using equivalent fractions. | I can use written division methods in cases where the answer has up to 2 decimal places. | I can recognise that shapes with the same areas can have different perimeters and vice versa. | I can find unknown angles where they meet at a point are on a straight line & are vertically opposite. | I can construct line graphs. |
| I can solve number problems and practical problems. | I can identify common factors, multiples and prime numbers. | I can multiply simple proper fractions, writing the answer in its simplest form (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$). | I can solve problems which require answers to be rounded to specified degrees of accuracy. | I can calculate the area of parallelograms and triangles. | I can describe positions on the full co-ordinate grid (all 4 quadrants). | I can calculate and interpret the mean as well as average. |
| I can recognise years written in Roman numerals and read to 1000 (M). | I use knowledge of the order of operations to carry out calculations involving the 4 operations. | I can divide proper fractions by whole numbers (e.g. $\frac{1}{3} \div 2 = \frac{1}{6}$). | I can solve problems involving the calculation of percentages of whole numbers, such as 15% of 360. | I recognise when it is necessary to use the formulae for area & volume of shapes. | I can draw and translate simple shapes & reflect them in the axes. | I can draw graphs relating to two variables. |
| I can express missing number problems algebraically. | I can solve addition and subtraction multi-step problems. | I can solve ratio & proportion problems involving the relative sizes of 2 quantities including similarity. | I can recall and use equivalences between simple fractions, decimals and percentages. | I can calculate estimate & compare volume of cubes & cuboids using cm cubed & cubic m. | | I can convert kilometres into miles using a graphical representation. |
| I can generate and describe linear number sequences. | I can solve problems involving any operation. | I can solve ratio and proportion problems involving unequal sharing and grouping. | | | | |
| I can use simple formulae expressed in words. | I use estimation to check answers to calculations. | | | | | |
| I can find pairs of numbers that satisfy number sentences involving 2 unknowns. | | | | | | |