



Year Six Maths Coverage 23/24

Number and Place Value

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| PV1 Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit | Autumn 1 Week 1 |
| PV2 Round any whole number to a required degree of accuracy | Autumn 1 Week 2 |
| PV3 Use negative numbers in context, and calculate intervals across zero | Autumn 1 Week 3 |
| PV4 Solve number and practical problems that involve all of the above. | Autumn 1 Week 1,2 and 3 throughout |
| Addition and subtraction, multiplication and division | |
| ASMD1 Add multi-digit numbers using the formal written method of addition. | Autumn 1 Week 4 |
| ASMD2 Subtract multi-digit numbers using the formal written method of subtraction. | Autumn 1 Week 4 |
| ASMD3 Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why | Autumn 1 Week 4 and 5 |
| ASMD4 Identify common factors, common multiples and prime numbers | Autumn 1 Week 6 |
| ASMD5 Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication | Autumn 1 Week 6 |
| ASMD6 Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context | Autumn 1 Week 7 and revisit during Spring Revision |
| ASMD7 Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context | Throughout Autumn 1 Week 4-7 |
| ASMD8 Use their knowledge of the order of operations to carry out calculations involving the four operations | Throughout Autumn 1 Week 4-7 |
| ASMD9 Solve problems involving addition, subtraction, multiplication and division | Throughout Autumn 1 Week 4-7 |
| ASMD10 Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. | Throughout Autumn 1 Week 4-7 |
| ASMD11 Perform mental calculations, including with mixed operations and large numbers | Throughout Autumn weekly arithmetic |
| Fractions | |
| F1 Use common factors to simplify fractions; use common multiples to express fractions in the same denomination | Autumn 2 Week 1 |
| F2 Compare and order fractions, including fractions | Autumn 2 Week 2 |
| F3 Add and subtract fractions with different denominators and mixed numbers, using equivalent fractions | Autumn 2 Week 3 |
| F4 Multiply simple pairs of proper fractions, writing the answer in its simplest form | Autumn 2 Week 4 |
| F5 Divide proper fractions by whole numbers for example, $\frac{1}{3} \div 2 = \frac{1}{6}$ | Autumn 2 Week 4 |
| F6 Associate a fraction with division and calculate decimal fraction equivalents for example, 0.375 for a simple fraction for example, $\frac{3}{8}$ | Autumn 2 Week 5 |
| F7 Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. | Autumn 2 Week 5 |
| F7 Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places | Autumn 2 Week 6 |
| F8 Multiply one-digit numbers with up to two decimal places by whole numbers | Autumn 2 Week 7 |
| F9 Use written division methods in cases where the answer has up to two decimal places | Autumn 2 Week 7 |
| F10 Solve problems which require answers to be rounded to specified degrees of accuracy | Autumn 2 Week 7 |
| Measurement | |
| M1 Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places Convert between miles and kilometres | Spring 1 Week 1 and 2 |
| M2 Convert between miles and kilometres | Spring 1 Week 3 |

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| M3 Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate | Spring 1 Week 3 |
| Ratio and proportion | |
| RP1 Solve problems involving similar shapes where the scale factor is known or can be found | Spring 1 Week 4 |
| RP2 Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts | Spring 1 Week 4 |
| RP3 Solve problems involving the calculation of percentages for example, of measures, and such as 15% of 360 and the use of percentages for comparison | Spring 1 Week 5 |
| RP4 Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. | Spring 1 Week 5 |
| Algebra | |
| A1 Use simple formulae | Spring 1 Week 6 |
| A2 Express missing number problems algebraically | Spring 1 Week 6 |
| A3 Find pairs of numbers that satisfy an equation with two unknowns | Spring 2 Week 1 |
| A4 Enumerate possibilities of combinations of two variables. | Spring 2 Week 1 |
| A5 Generate and describe linear number sequences | Spring 2 Week 1 |
| Measurement | |
| M4 Recognise that shapes with the same areas can have different perimeters and vice versa and calculate the area of parallelograms and triangles | Spring 2 Week 2 and 3 |
| M5 Recognise when it is possible to use formulae for area and volume of shapes | Spring 2 Week 4 |
| M6 Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units for example, mm^3 and km^3 . | Spring 2 Week 4 |
| Geometry | |
| G1 Draw 2D shapes using given dimensions and angles. | Spring 2 Week 5 |
| G2 Recognise, describe and build simple 3D shapes, including making nets. | Spring 2 Week 5 |
| G3 Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. | Spring 2 Week 5 |
| G4 Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. | Spring 2 Week 5 |
| G5 Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. | Spring 2 Week 6 |
| G6 Describe positions on the full coordinate grid, all four quadrants | Spring 2 Week 6 |
| G7 Draw and translate simple shapes on the coordinate plane and reflect them in the axes | |
| Statistics | |
| S1 Interpret and construct: pie charts, line graphs and use these to solve problems | Spring 2 Week 7 |
| S2 Calculate and interpret the mean as an average | Spring 2 Week 7 |