

Medium Term Plan Year 6

| Wk | Unit | Strands | Objectives |
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| 11 | Block A2.a: Rounding to the nearest 10, 100 or 1000 | Counting and understanding number | Round any integer to the nearest 10, 100 or 1000 |
| | Block A2.b: Rounding decimals to the nearest whole number or tenth | Counting and understanding number | Consolidate rounding a number with two decimal places to the nearest whole number Round a number with two decimal places to the nearest tenth |
| 12 | Block A2.c: Use decimal notation up to hundredths; order a set of decimals | Counting and understanding number | Use decimal notation for tenths, hundredths and thousandths Know what each digit represents in a number with up to three decimal places Order a mixed set of decimal numbers with up to three decimal places Say a decimal number lying between two others |
| | Block A2.d: Find all pairs of factors of any number up to 100 | Using and applying mathematics Knowing and using number facts | Make and investigate a general statement about familiar numbers or shapes by finding examples that satisfy it Recognise and explain patterns and relationships, generalise and predict Consolidate finding all the pairs of factors of any number up to 100 Recognise that a number with an odd number of factors is a square number |

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| 13 | Block B2.a: Multiplication: partitioning | Knowing and using number facts | <p>Multiply by partitioning, e.g. $87 \times 6 = (80 \times 6) + (7 \times 6)$, $3.4 \times 3 = (3 \times 3) + (0.4 \times 3)$</p> <p>Consolidate the use of factors to help multiply, e.g. $35 \times 18 = 35 \times 6 \times 3$</p> <p>Use known number facts and place value to consolidate mental multiplication and division</p> <p>Use brackets</p> |
| | Block B2.b: Multiplication: using close facts | Knowing and using number facts | <p>Continue to multiply using closely related facts</p> <p>Multiply by numbers near 50, 100 by multiplying by 50, 100 and adjusting</p> <p>Develop higher multiplication tables, e.g. the $\times 17$ table from the $\times 10$ and $\times 7$ tables</p> |
| 14 | Block B2.c: Read and plot coordinates in all quadrants | Understanding shape | Read and plot coordinates in all quadrants |
| | Block B2.d: Properties of 3D shapes; visualise 3D shapes from 2D drawings | Understanding shape | <p>Recognise parallel and perpendicular faces and edges on 3D shapes</p> <p>Rehearse the terms ‘polyhedron’, ‘tetrahedron’, ‘octahedron’ and begin to use ‘dodecahedron’</p> <p>Visualise 3D shapes from 2D drawings and identify different nets for a closed cube</p> <p>Accurately make and draw shapes</p> |

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| 15 | Block C2.a: Calculate the area of rectangles and compound shapes | Using and applying mathematics Measuring | <p>Develop from explaining a generalised relationship in words to express it in a formula using letters as symbols</p> <p>Calculate the area of a rectangle</p> <p>Calculate the area of compound shapes that can be split into rectangles</p> <p>Estimate the area of an irregular shape by counting squares</p> <p>Calculate the surface area of a box, where the faces are rectangles</p> |
| | Block C2.b: Calculate the area of a right-angled triangle | Using and applying mathematics Measuring | <p>Develop from explaining a generalised relationship in words to express it in a formula using letters as symbols</p> <p>Calculate the area of a right-angled triangle by considering it as half a rectangle</p> |