

Small Steps – Autumn Term - Year 5



Year 5 | Autumn term | Block 1 – Place value

Step 1 Roman numerals to 1,000

Step 2 Numbers to 10,000

Step 3 Numbers to 100,000

Step 4 Numbers to 1,000,000

Step 5 Read and write numbers to 1,000,000

Step 6 Powers of 10

Step 7 10/100/1,000/10,000/100,000 more or less

Step 8 Partition numbers to 1,000,000

Step 9 Number line to 1,000,000

Step 10 Compare and order numbers to 100,000

Step 11 Compare and order numbers to 1,000,000

Step 12 Round to the nearest 10, 100 or 1,000

Step 13 Round within 100,000 Step 14 Round within 1,000,000

Year 5 | Autumn term | Block 2 – Addition and subtraction

Step 1 Mental strategies

Step 2 Add whole numbers with more than four digits

Step 3 Subtract whole numbers with more than four digits

Step 4 Round to check answers

Step 5 Inverse operations (addition and subtraction)

Step 6 Multi-step addition and subtraction problems

Step 7 Compare calculations Step 8 Find missing numbers

Year 5 | Autumn term | Block 3 – Multiplication and division A

Step 1 Multiples

Step 2 Common multiples

Step 3 Factors

Step 4 Common factors

Step 5 Prime numbers

Step 6 Square numbers

Step 7 Cube numbers

Step 8 Multiply by 10, 100 and 1,000

Step 9 Divide by 10, 100 and 1,000

Step 10 Multiples of 10, 100 and 1,000

Year 5 | Autumn term | Block 4 – Fractions A

Step 1 Find fractions equivalent to a unit fraction

Step 2 Find fractions equivalent to a non-unit fraction

Step 3 Recognise equivalent fractions

Step 4 Convert improper fractions to mixed numbers

Step 5 Convert mixed numbers to improper fractions

Step 6 Compare fractions less than 1

Step 7 Order fractions less than 1

Step 8 Compare and order fractions greater than 1

Step 9 Add and subtract fractions with the same denominator

Step 10 Add fractions within 1

Step 11 Add fractions with total greater than 1

Step 12 Add to a mixed number

Step 13 Add two mixed numbers

Step 14 Subtract fractions

Step 15 Subtract from a mixed number

Step 16 Subtract from a mixed number – breaking the whole

Step 17 Subtract two mixed numbers

Small Steps – Spring Term - Year 5



Year 5 | Spring term | Block 1 – Multiplication and division B

- Step 1 Multiply up to a 4-digit number by a 1-digit number
- Step 2 Multiply a 2-digit number by a 2-digit number (area model)
- Step 3 Multiply a 2-digit number by a 2-digit number
- Step 4 Multiply a 3-digit number by a 2-digit number
- Step 5 Multiply a 4-digit number by a 2-digit number
- Step 6 Solve problems with multiplication
- Step 7 Short division
- Step 8 Divide a 4-digit number by a 1-digit number
- Step 9 Divide with remainders
- Step 10 Efficient division
- Step 11 Solve problems with multiplication and division

Year 5 | Spring term | Block 2 – Fractions B

- Step 1 Multiply a unit fraction by an integer
- Step 2 Multiply a non-unit fraction by an integer
- Step 3 Multiply a mixed number by an integer
- Step 4 Calculate a fraction of a quantity
- Step 5 Fraction of an amount
- Step 6 Find the whole
- Step 7 Use fractions as operators

Year 5 | Spring term | Block 3 – Decimals and percentages

- Step 1 Decimals up to 2 decimal places
- Step 2 Equivalent fractions and decimals (tenths)
- Step 3 Equivalent fractions and decimals (hundredths)
- Step 4 Equivalent fractions and decimals
- Step 5 Thousandths as fractions
- Step 6 Thousandths as decimals
- Step 7 Thousandths on a place value chart
- Step 8 Order and compare decimals (same number of decimal places)

Step 9 Order and compare any decimals with up to 3 decimal places

Step 10 Round to the nearest whole number

Step 11 Round to 1 decimal place

Step 12 Understand percentages

Step 13 Percentages as fractions

Step 14 Percentages as decimal

Step 15 Equivalent fractions, decimals and percentages

Year 5 | Spring term | Block 4 – Perimeter and area

Step 1 Perimeter of rectangles

Step 2 Perimeter of rectilinear shapes

Step 3 Perimeter of polygons

Step 4 Area of rectangles

Step 5 Area of compound shapes

Step 6 Estimate area

Year 5 | Spring term | Block 5 – Statistics

Step 1 Draw line graphs

Step 2 Read and interpret line graphs

Step 3 Read and interpret tables

Step 4 Two-way tables

Step 5 Read and interpret timetables

Small Steps – Summer Term - Year 5



Year 5 | Summer term | Block 1 – Shape

- Step 1 Understand and use degrees
- Step 2 Classify angles
- Step 3 Estimate angles
- Step 4 Measure angles up to 180°
- Step 5 Draw lines and angles accurately
- Step 6 Calculate angles around a point
- Step 7 Calculate angles on a straight line
- Step 8 Lengths and angles in shapes
- Step 9 Regular and irregular polygons
- Step 10 3-D shapes

Year 5 | Summer term | Block 2 – Position and direction

- Step 1 Read and plot coordinates
- Step 2 Problem solving with coordinates
- Step 3 Translation
- Step 4 Translation with coordinates
- Step 5 Lines of symmetry
- Step 6 Reflection in horizontal and vertical lines

Year 5 | Summer term | Block 3 – Decimals

- Step 1 Use known facts to add and subtract decimals within 1
- Step 2 Complements to 1
- Step 3 Add and subtract decimals across 1
- Step 4 Add decimals with the same number of decimal places
- Step 5 Subtract decimals with the same number of decimal places
- Step 6 Add decimals with different numbers of decimal places
- Step 7 Subtract decimals with different numbers of decimal places
- Step 8 Efficient strategies for adding and subtracting decimals
- Step 9 Decimal sequences

Step 10 Multiply by 10, 100 and 1,000

Step 11 Divide by 10, 100 and 1,000

Step 12 Multiply and divide decimals – missing values

Year 5 | Summer term | Block 4 – Negative numbers

Step 1 Understand negative numbers

Step 2 Count through zero in 1s

Step 3 Count through zero in multiples

Step 4 Compare and order negative numbers

Step 5 Find the difference

Year 5 | Summer term | Block 5 – Converting units

Step 1 Kilograms and kilometres

Step 2 Millimetres and millilitres

Step 3 Convert units of length

Step 4 Convert between metric and imperial units

Step 5 Convert units of time

Step 6 Calculate with timetables

Year 5 | Summer term | Block 6 – Volume

Step 1 Cubic centimetres

Step 2 Compare volume

Step 3 Estimate volume

Step 4 Estimate capacity