Christ the Sower Primary School
Maths Small Steps – Year 5

Autumn Term

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

Addition & 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

Multiplication & 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

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

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Spring Term

Multiplication & 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

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

Decimals & 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 decimals
Step 15 Equivalent fractions, decimals and percentages

Measurement: Perimeter & 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

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

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Summer Term

Geometry: 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

Geometry: Position & 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

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

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

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

Measurement: Volume

Step 1 Cubic centimetres
Step 2 Compare volume
Step 3 Estimate volume
Step 4 Estimate capacity