Christ the Sower Primary School

Maths Small Steps – Year 3

Autumn Term

Place Value

Step 1 Represent numbers to 100
Step 2 Partition numbers to 100
Step 3 Number line to 100
Step 4 Hundreds
Step 5 Represent numbers to 1,000
Step 6 Partition numbers to 1,000
Step 7 Flexible partitioning of numbers to 1,000
Step 8 Hundreds, tens & ones
Step 9 Find 1, 10 or 100 more or less
Step 10 Number line to 1,000
Step 11 Estimate on a number line to 1,000
Step 12 Compare numbers to 1,000
Step 13 Order numbers to 1,000
Step 14 Count in 50s

Addition & Subtraction

Step 1 Apply number bonds within 10
Step 2 Add and subtract 1s
Step 3 Add and subtract 10s
Step 4 Add and subtract 100s
Step 5 Spot the pattern
Step 6 Add 1s across a 10
Step 7 Add 10s across a 100
Step 8 Subtract 1s across a 10
Step 9 Subtract 10s across a 100
Step 10 Make connections
Step 11 Add two numbers (no exchange)
Step 12 Subtract two numbers (no exchange)
Step 13 Add two numbers (across a 10)
Step 14 Add two numbers (across a 100)
Step 15 Subtract two numbers (across a 10)
Step 16 Subtract two numbers (across a 100)
Step 17 Add 2-digit and 3-digit numbers
Step 18 Subtract a 2-digit number from a 3-digit number
Step 19 Complements to 100
Step 20 Estimate answers
Step 21 Inverse operations
Step 22 Make decisions

Multiplication & Division A

Step 1 Multiplication – equal groups
Step 2 Use arrays
Step 3 Multiples of 2
Step 4 Multiples of 5 and 10
Step 5 Sharing and grouping
Step 6 Multiply by 3
Step 7 Divide by 3
Step 8 The 3 times-table
Step 9 Multiply by 4
Step 10 Divide by 4
Step 11 The 4 times-table
Step 12 Multiply by 8
Step 13 Divide by 8
Step 14 The 8 times-table
Step 15 The 2, 4 and 8 times-tables

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Maths Small Steps – Year 3

Spring Term

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Multiplication & Division B

Step 1 Multiples of 10
Step 2 Related calculations
Step 3 Reasoning about multiplication
Step 4 Multiply a 2-digit number by a 1-digit number – no exchange
Step 5 Multiply a 2-digit number by a 1-digit number – with exchange
Step 6 Link multiplication and division
Step 7 Divide a 2-digit number by a 1-digit number – no exchange
Step 8 Divide a 2-digit number by a 1-digit number – flexible partitioning
Step 9 Divide a 2-digit number by a 1-digit number – with remainders
Step 10 Scaling
Step 11 How many ways?

Measurement: Length & Perimeter

Step 1 Measure in metres and centimetres
Step 2 Measure in millimetres
Step 3 Measure in centimetres and millimetres
Step 4 Metres, centimetres and millimetres
Step 5 Equivalent lengths (metres and centimetres)
Step 6 Equivalent lengths (centimetres and millimetres)
Step 7 Compare lengths
Step 8 Add lengths
Step 9 Subtract lengths
Step 10 What is perimeter?
Step 11 Measure perimeter
Step 12 Calculate perimeter

Fractions A

Step 1 Understand the denominators of unit fractions
Step 2 Compare and order unit fractions
Step 3 Understand the numerators of non-unit fractions
Step 4 Understand the whole
Step 5 Compare and order non-unit fractions
Step 6 Fractions and scales
Step 7 Fractions on a number line
Step 8 Count in fractions on a number line
Step 9 Equivalent fractions on a number line
Step 10 Equivalent fractions as bar models

Measurement: Mass & Capacity

Step 1 Use scales
Step 2 Measure mass in grams
Step 3 Measure mass in kilograms and grams
Step 4 Equivalent masses (kilograms and grams)
Step 5 Compare mass
Step 6 Add and subtract mass
Step 7 Measure capacity and volume in millilitres
Step 8 Measure capacity and volume in litres and millilitres
Step 9 Equivalent capacities and volumes (litres and millilitres)
Step 10 Compare capacity and volume
Step 11 Add and subtract capacity and volume

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Maths Small Steps – Year 3

Summer Term

Fractions B

Step 1 Add fractions
Step 2 Subtract fractions
Step 3 Partition the whole
Step 4 Unit fractions of a set of objects
Step 5 Non-unit fractions of a set of objects
Step 6 Reasoning with fractions of an amount

Measurement: Money

Step 1 Pounds and pence
Step 2 Convert pounds and pence
Step 3 Add money
Step 4 Subtract money
Step 5 Find change

Measurement: Time

Step 1 Roman numerals to 12
Step 2 Tell the time to 5 minutes
Step 3 Tell the time to the minute
Step 4 Read time on a digital clock
Step 5 Use am and pm
Step 6 Years, months and days
Step 7 Days and hours
Step 8 Hours and minutes – use start and end times
Step 9 Hours and minutes - use durations
Step 10 Minutes and seconds
Step 11 Units of time
Step 12 Solve problems with time

Geometry: Shape

Step 1 Turns and angles
Step 2 Right angles
Step 3 Compare angles
Step 4 Measure and draw accurately
Step 5 Horizontal and vertical
Step 6 Parallel and perpendicular
Step 7 Recognise and describe 2-D shapes
Step 8 Draw polygons
Step 9 Recognise and describe 3-D shapes
Step 10 Make 3-D shapes

Statistics

Step 1 Interpret pictograms
Step 2 Draw pictograms
Step 3 Interpret bar charts
Step 4 Draw bar charts
Step 5 Collect and represent data
Step 6 Two-way tables