Christ the Sower Primary School

Maths Small Steps – Year 4

Autumn Term

Place Value

Step 1 Represent numbers to 1,000
Step 2 Partition numbers to 1,000
Step 3 Number line to 1,000
Step 4 Thousands
Step 5 Represent numbers to 10,000
Step 6 Partition numbers to 10,000
Step 7 Flexible partitioning of numbers to 10,000
Step 8 Find 1, 10, 100, 1,000 more or less
Step 9 Number line to 10,000
Step 10 Estimate on a number line to 10,000
Step 11 Compare numbers to 10,000
Step 12 Order numbers to 10,000
Step 13 Roman numerals
Step 14 Round to the nearest 10
Step 15 Round to the nearest 100
Step 16 Round to the nearest 1,000
Step 17 Round to the nearest 10, 100 or 1,000

Addition & Subtraction

Step 1 Add and subtract 1s, 10s, 100s and 1,000s
Step 2 Add up to two 4-digit numbers – no exchange
Step 3 Add two 4-digit numbers – one exchange
Step 4 Add two 4-digit numbers – more than one exchange
Step 5 Subtract two 4-digit numbers – no exchange
Step 6 Subtract two 4-digit numbers – one exchange
Step 7 Subtract two 4-digit numbers – more than one exchange
Step 8 Efficient subtraction
Step 9 Estimate answers
Step 10 Checking strategies

Measurement: Area

Step 1 What is area?
Step 2 Count squares
Step 3 Make shapes
Step 4 Compare areas

Multiplication & Division A

Step 1 Multiples of 3
Step 2 Multiply and divide by 6
Step 3 6 times-table and division facts
Step 4 Multiply and divide by 9
Step 5 9 times-table and division facts
Step 6 The 3, 6 and 9 times-tables
Step 7 Multiply and divide by 7
Step 8 7 times-table and division facts
Step 9 11 times-table and division facts
Step 10 12 times-table and division facts
Step 11 Multiply by 1 and 0
Step 12 Divide a number by 1 and itself
Step 13 Multiply three numbers

Christ the Sower Primary School

Maths Small Steps – Year 4

Spring Term

Multiplication & Division B

Step 1 Factor pairs
Step 2 Use factor pairs
Step 3 Multiply by 10
Step 4 Multiply by 100
Step 5 Divide by 10
Step 6 Divide by 100
Step 7 Related facts – multiplication and division
Step 8 Informal written methods for multiplication
Step 9 Multiply a 2-digit number by a 1-digit number
Step 10 Multiply a 3-digit number by a 1-digit number
Step 11 Divide a 2-digit number by a 1-digit number (1)
Step 12 Divide a 2-digit number by a 1-digit number (2)
Step 13 Divide a 3-digit number by a 1-digit number
Step 14 Correspondence problems
Step 15 Efficient multiplication

Measurement: Length & Perimeter

Step 1 Measure in kilometres and metres
Step 2 Equivalent lengths (kilometres and metres)
Step 3 Perimeter on a grid
Step 4 Perimeter of a rectangle
Step 5 Perimeter of rectilinear shapes
Step 6 Find missing lengths in rectilinear shapes
Step 7 Calculate perimeter of rectilinear shapes
Step 8 Perimeter of regular polygons
Step 9 Perimeter of polygons

Fractions

Step 1 Understand the whole
Step 2 Count beyond 1
Step 3 Partition a mixed number
Step 4 Number lines with mixed numbers
Step 5 Compare and order mixed numbers
Step 6 Understand improper fractions
Step 7 Convert mixed numbers to improper fractions
Step 8 Convert improper fractions to mixed numbers
Step 9 Equivalent fractions on a number line
Step 10 Equivalent fraction families
Step 11 Add two or more fractions
Step 12 Add fractions and mixed numbers
Step 13 Subtract two fractions
Step 14 Subtract from whole amounts
Step 15 Subtract from mixed numbers

Decimals A

Step 1 Tenths as fractions
Step 2 Tenths as decimals
Step 3 Tenths on a place value chart
Step 4 Tenths on a number line
Step 5 Divide a 1-digit number by 10
Step 6 Divide a 2-digit number by 10
Step 7 Hundredths as fractions
Step 8 Hundredths as decimals
Step 9 Hundredths on a place value chart
Step 10 Divide a 1- or 2-digit number by 100

Christ the Sower Primary School

Maths Small Steps – Year 4

Summer Term

Decimals B

Step 1 Make a whole with tenths
Step 2 Make a whole with hundredths
Step 3 Partition decimals
Step 4 Flexibly partition decimals
Step 5 Compare decimals
Step 6 Order decimals
Step 7 Round to the nearest whole number
Step 8 Halves and quarters as decimals

Measurement: Money

Step 1 Write money using decimals
Step 2 Convert between pounds and pence
Step 3 Compare amounts of money
Step 4 Estimate with money
Step 5 Calculate with money
Step 6 Solve problems with money

Measurement: Time

Step 1 Years, months, weeks and days
Step 2 Hours, minutes and seconds
Step 3 Convert between analogue and digital times
Step 4 Convert to the 24-hour clock
Step 5 Convert from the 24-hour clock

Geometry: Shape

Step 1 Understand angles as turns
Step 2 Identify angles
Step 3 Compare and order angles
Step 4 Triangles
Step 5 Quadrilaterals
Step 6 Polygons
Step 7 Lines of symmetry
Step 8 Complete a symmetric figure

Statistics

Step 1 Interpret charts
Step 2 Comparison, sum and difference
Step 3 Interpret line graphs
Step 4 Draw line graphs

Geometry: Position & Direction

Step 1 Describe position using coordinates
Step 2 Plot coordinates
Step 3 Draw 2-D shapes on a grid
Step 4 Translate on a grid
Step 5 Describe translation on a grid