#theJSway

Year 4 – Small steps

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

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Year 4 – Small steps

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

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Year 4 – Small steps

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

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Year 4 – Small steps

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