Year 4 Maths Autumn

Place Value
Represent and partition numbers to 1,000 and 10,000
Find 1, 10, 100, 1,000 more or less
Compare and order numbers to 10,000, Round to the nearest 10, 100 and 1,000
Roman numerals

Addition and Subtraction
Add and subtract 1s, 10s, 100s and 1,000s
Add and subtract up to two 4-digit numbers - no exchange
Add and subtract up to two 4-digit numbers - one exchange
Add and subtract two 4-digit numbers - more than one exchange
Estimate answers and checking strategies

Area
What is area? Count squares, Make shapes, Compare areas

Multiplication and Division Unit A
The 3, 6 and 9 times-tables
7, 11 and 12 times-table and division facts
Multiply by 1 and 0
Divide a number by 1 and itself
Multiply three numbers

Spring

Multiplication and Division Unit B
Factor pairs
Multiply and divide by 10 and 100, Related facts – multiplication and division
Informal written methods for multiplication
Multiply a 2 and 3-digit number by a 1-digit number
Divide a 2 and 3-digit number by a 1-digit number, Correspondence problems

Length and Perimeter
Measure in kilometres and metres, Equivalent lengths (kilometres and metres)
Perimeter on a grid, Perimeter of a rectangle
Perimeter of rectilinear shapes, Find missing lengths in rectilinear shapes
Calculate the perimeter of rectilinear shapes, Perimeter of polygons

Fractions
Understand the whole, Partition a mixed number
Compare and order mixed numbers, Understand improper fractions
Convert mixed numbers to improper fractions and vice versa
Equivalent fraction families, Add two or more fractions
Subtract two fractions
Subtract from whole amounts and mixed numbers

Decimals Unit A
Tenths as fractions and decimals, Divide a 1 and 2-digit number by 10
Hundredths as fractions and decimals, Hundredths on a place value chart
Divide a 1- or 2-digit number by 100

Summer

Decimals
Make a whole with tenths and hundredths, Partition decimals
Compare and order decimals, Round to the nearest whole number
Halves and quarters as decimals

Money
Write money using decimals, Convert between pounds and pence
Compare amounts of money, Estimate with money
Solve problems with money

Time
Years, months, weeks and days, Hours, minutes and seconds
Convert between analogue and digital times, Convert to the 24 hour clock
Convert from the 24 hour clock

Shape
Understand angles as turns, Identify angles
Compare and order angles, Triangles , Quadrilaterals , Polygons
Lines of symmetry, Complete a symmetric figure

Statistics
Interpret charts, Comparison, sum and difference
Interpret line graphs, Draw line graphs

Position and Direction
Describe position using coordinates, Plot coordinates
Draw 2-D shapes on a grid, Translate on a grid, Describe translation on a grid