

### Addition & Subtraction

- Add by counting on
- Find and make number bonds
- Add by making 10
- Subtraction- Not crossing 10
- Subtraction- Crossing 10
- Related facts
- Compare number sentences

### Place Value (within 50)

- Numbers to 50
- Tens and ones
- Represent numbers to 50
- One more one less
- Compare objects within 50
- Compare numbers within 50
- Order numbers within 50
- Count in 2s and 5s

### Measurement: Length & Height

- Compare lengths and heights
- Measure length

### Measurement: Weight & Volume

- Introduce weight and mass
- Measure mass
- Compare mass
- Introduce capacity and volume
- Measure capacity
- Compare capacity

### Multiplication & Division

- Make equal groups- sharing
- Make equal groups- grouping
- Divide by 2
- Odd & even numbers
- Divide by 5
- Divide by 10

### Statistics

- Make tally charts
- Draw pictograms
- Interpret pictograms
- Block diagrams

### Geometry: Properties of Shape

- Recognise 2-D and 3-D shapes
- Count sides and vertices on 2-D shapes
- Draw 2-D shapes
- Lines of symmetry
- Sort 2-D shapes
- Make patterns with 2-D shapes
- Count faces, edges and vertices on 3-D shapes
- Sort 3-D shapes
- Make patterns with 3-D shapes

### Fractions

- Make equal parts
- Recognise a half
- Find a half



### Fractions

- Recognise a quarter
- Find a quarter
- Recognise a third
- Find a third
- Unit fractions
- Non-unit fractions
- Equivalence of  $\frac{1}{2}$  and  $\frac{2}{4}$
- Find the three quarters
- Count in fractions

### Measurement: Length & Height

- Measure length (cm)
- Measure length (m)
- Compare lengths
- Order lengths
- Four operations with lengths

### Multiplication & Division

- Comparing statements
- Related calculations
- Multiply 2-digits by 1-digit
- Divide 2-digits by 1-digit
- Scaling
- How many ways?

### Money

- Pounds and pence
- Convert pounds and pence
- Add/ subtract money
- Give change

### Statistics

- Pictograms
- Bar charts
- Tables

### Measurement: Length & Perimeter

- Measure length
- Equivalent lengths- m & cm
- Equivalent lengths- mm & cm
- Compare lengths
- Add/ subtract lengths
- Measure perimeter
- Calculate perimeter



# YEAR 3

## Spring Term

### Fractions

- Unit and non-unit fractions
- Making the whole
- Tenths
- Count in tenths
- Tenths as decimals
- Fractions on a number line
- Fractions of a set of objects

### Multiplication & Division

- 11 and 12 times-table
- Multiply 3 numbers
- Factor pairs
- Efficient multiplication
- Written methods
- Multiply 2-digits by 1-digit
- Multiply 3-digits by 1-digit
- Divide 2-digits by 1-digit
- Divide 3-digits by 1-digit
- Correspondence problems

### Measurement: Area

- What is area?
- Counting squares
- Making shapes
- Comparing area

### Fractions

- What is a fraction?
- Equivalent fractions
- Fractions greater than 1
- Count in fractions
- Add 2 or more fractions
- Subtract 2 fractions
- Subtract from whole amounts
- Calculate fractions of a quantity
- Problem solving- calculate quantities

### Decimals

- Recognise tenths and hundredths
- Tenths as decimals
- Tenths on a place value grid
- Tenths on a number line
- Divide 1-digit by 10
- Divide 2-digits by 10
- Hundredths
- Hundredths as decimals
- Hundredths on a place value grid
- Divide 1 or 2-digits by 100

### Multiplication & Division

- Multiply 4-digits by 1-digit
- Multiply 2-digits (area model)
- Multiply 2-digits by 2-digits
- Multiply 3-digits by 2-digits
- Multiply 4-digits by 2-digits
- Divide 4-digits by 1-digit
- Divide with remainders

### Fractions

- Equivalent fractions
- Improper fractions to mixed numbers
- Mixed numbers to improper fractions
- Number sequences
- Compare and order fractions less/ greater than 1
- Add and subtract fractions
- Add fractions within 1
- Add 3 or more fractions
- Add fractions
- Add mixed numbers
- Subtract fractions
- Subtract mixed numbers
- Subtract- breaking the whole
- Subtract 2 mixed numbers
- Multiply unit fractions by an integer
- Multiply non-unit fractions by an integer
- Multiply mixed numbers by integers
- Fraction of an amount
- Using fractions as operators





# YEAR 5

## Spring Term

### Fractions

- Decimals up to 2 d.p.
- Decimals as fractions
- Understand thousandths
- Thousandths as decimals
- Rounding decimals
- Order and compare decimals
- Understand percentages
- Percentages as fractions and decimals
- Equivalent F.D.P.

### Decimals

- Three decimal places
- Multiply by 10, 100 and 1,000
- Divide by 10, 100 and 1,000
- Multiply decimals by integers
- Divide decimals by integers
- Division to solve problems
- Decimals as fractions
- Fractions to decimals

### Percentages

- Fractions to percentages
- Equivalent F.D.P.
- Order F.D.P.
- Percentage of an amount
- Percentages- missing values

### Algebra

- Find a rule- one step
- Find a rule- two step
- Forming expressions
- Substitution
- Formulae
- Forming equations
- Solve simple one-step equations
- Solve two-step equations
- Find pairs of values
- Enumerate possibilities

### Measurement: Converting Units

- Metric measures
- Convert metric measures
- Calculate with metric measures
- Miles and kilometres
- Imperial measures

### Perimeter, Area & Volume

- Shapes- same area
- Area and perimeter
- Area of a triangle
- Area of a parallelogram
- Volume: counting cubes
- Volume of a cuboid

### Ratio

- Using ratio language
- Ratio and fractions
- Introducing the ratio symbol
- Calculating ratio
- Using scale factors
- Calculating scale factors
- Ratio and proportion problems