

# Year 1 Maths Curriculum



## Autumn

### Key Vocab

#### Place Value (Within 10, then within 20)

Count, Number, Digit, Numeral, One more, One less, Fewer / fewest, More / most, Greater than ( $>$ ), Less than ( $<$ ), Equal to ( $=$ ), Compare, Order, Sort, Represent, Number line, Number track, Tens, Ones, Partition, Whole, Part, Group

#### Addition and Subtraction (Within 10 and within 20)

Add, Plus, Subtract, Take away, Minus, Difference, Total, Altogether, Count on, Count back, Number bond, Part-whole model, Equals ( $=$ ), Fact family, Sum, More than, Less than, Fewer / fewest

#### Geometry - Shape

Shape, Corner, Side, Straight, Curved, Flat (2D), Solid (3D), Circle, Triangle, Square, Rectangle, Cube, Sphere, Cylinder, Cone, Pattern, Sort, Match

#### General

Same, Different, Before, After, Next, Between, First / Then / Now, Solve, Problem, Explain, Show, Represent

### Key Skills

#### Number: Place Value (within 10 and 20)

- Recognise, read and write numbers to 10 and then 20.
- Count forwards and backwards to 10 and 20, starting from any number.
- Represent numbers using objects, pictures, and number lines.
- Compare and order numbers using  $<$ ,  $>$  and  $=$ .
- Identify 1 more and 1 less than a given number.

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## Number: Addition and Subtraction (within 10 and 20)

- Read, write and interpret mathematical statements involving addition (+) and subtraction (-) and equals (=) signs.
- Use concrete objects and pictorial representations to solve problems.
- Add and subtract one-digit and two-digit numbers to 10 and 20, including 0.
- Solve one-step problems involving addition and subtraction, using concrete objects and pictorial representations and missing number problems e.g.  $7 = ? - 9$
- Represent and use number bonds and related subtraction facts within 20.

## Geometry: Shape

- Recognise and name common 2D shapes (circle, square, triangle, rectangle) and 3D shapes (cube, cuboid, sphere, cone).
- Describe the properties of shapes, including number of sides and vertices. Sort and classify shapes based on their properties.

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## Spring

### Key Vocab

#### Place Value (to 50)

count (forwards/backwards), before, after, ones, tens, digit, numeral, more than, less than, fewer, fewest, greater, smaller, compare, order, between, next, value

#### Addition & Subtraction

add, plus, more, make, sum, total, altogether, subtract, take away, minus, difference, between, equals, is the same as (=), number bonds, fact families, part, whole, double, half/halve, near double

#### Measurement - Length & Height

long, longer, longest; short, shorter, shortest, tall, taller, tallest; height, length, measure, compare, ruler, centimetres (cm)

#### Measurement - Weight (Mass) & Volume

heavy, heavier, heaviest; light, lighter, lightest; weigh, balance, full, half full, empty; holds, container, volume, capacity, more/less (liquid), compare, over, under, above, below,

#### General

sort, group, compare, pattern, arrange, order, repeat, continue, problem, solve, explain, reason

### Key Skills

#### Number: Place Value (within 50)

#### Pupils will progress to:

- Recognise, read and write numbers to 50.
- Count forwards and backwards within 50 from any number.
- Represent numbers using objects, pictorial representations, and number lines.
- Identify 1 more, 1 less, 10 more and 10 less than a given number.

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- Compare and order numbers up to 50 using  $<$ ,  $>$  and  $=$ .

## **Number: Addition and Subtraction (within 50)**

- Add and subtract one-digit and two-digit numbers within 50 using concrete and pictorial representations.
- Begin to use simple written methods for addition and subtraction.
- Solve one-step and two-step problems involving addition and subtraction.
- Apply number bonds to support calculations.

## **Measurement: Length, Mass, Capacity, and Time**

- Compare and measure lengths, mass, and capacity using standard units (cm, m, g, kg, ml, l).
- Solve practical problems involving measurement including length and height, mass and weight, capacity and volume.

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## Summer

### Key Vocab

#### **Multiplication & Division**

equal groups, array, row, column, double, twice, share, group

#### **Fractions**

Half, halves, quarter

#### **Position & Direction**

Turn, half turn, quarter turn, three-quarter turn, Whole turn, left / right, forwards / backwards, above / below, top / middle / bottom, up / down, in between

#### **Place Value (Within 100)**

Tens, ones, order, smallest / greatest, compare, number square / 100 square, place value grid

#### **Money**

pound (£), pence (p), Coin, note

#### **Time**

before / after, yesterday / today / tomorrow, day / week / month / year, calendar

Date, hour hand / minute hand, o'clock, half past, second / minute / hour, faster / slower

### Key Skills

#### **Number: Multiplication and Division**

- Recognise, make, and write equal groups.
- Understand multiplication as repeated addition.

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- Understand division as sharing and grouping.
- Solve one step practical problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with teacher support.
- Begin to recognise patterns in multiplication and division.

## Fractions

- Recognise and find half as 1 or 2 equal parts of an object, shape or quantity.
- Recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity.

## Geometry: Shape and Position

- Recognise, name and describe 2D and 3D shapes.
- Sort and classify shapes according to properties.
- Use positional language to describe locations and movements (e.g., above, below, next to).
- Recognise patterns and symmetry in shapes.

## Number: Place Value (within 100)

- Recognise, read, write and order numbers to 100.
- Count forwards and backwards in ones and tens from any number up to 100 and those beginning with a 0 or 1.
- Represent numbers using objects, pictorial representations, and number lines.
- Identify 1 more, 1 less, 10 more and 10 less than a given number.
- Add and subtract one- and two-digit numbers within 100 using concrete and pictorial methods.
- Begin to use written methods for addition and subtraction.
- Solve one-step and two-step problems involving addition and subtraction.
- Apply knowledge of number bonds and place value to support calculations.
- Compare and order numbers up to 100 using  $<$ ,  $>$  and  $=$ .
- Count in multiples of 2, 5 and 10.

## Measurement: Money and Time

- Recognise and use coins and notes to solve simple money problems.
- Tell the time to the hour and half-hour; sequence events in order.
- Solve practical problems involving money and time.