QPS: Year 1 Mathematics end of year goals (based on statutory and non-statutory DFE mathematical guidance and the DFE Ready to Progress Criteria)

Number and Place Value	Addition and Subtraction	Multiplication, Division	Fractions	Measurement	Geometry Properties of Shape Position, Direction & Motion	Statistics
Reasoning and problem solving	Reasoning and problem solving	Reasoning and problem solving	Reasoning and problem solving	Reasoning and problem solving	Reasoning and problem solving	
Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.

Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.

Given a number, identify one more and one less.

Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least .

Read and write numbers from 1-20 in numerals and words. | Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs

Represent and use number bonds and related subtraction facts within 20.

Add and subtract one-digit and two-digit numbers to 20, including zero. (Understand the effect of adding and subtracting zero).

Use mathematical language for addition and subtraction, including 'difference'.

Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ – 9.

Use inverse to establish link between addition and subtraction. | Recognise and begin to understand x and ÷ symbol.

Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

Double and halve within 20. | Recognise, find and name a half as one of two equal parts of an object, shape or quantity

Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

Understand that ½ is equivalent to 2/4.

Count in halves to 10.

Add ½ to ½ | Compare, describe and solve practical problems for:

-lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
-mass/weight [for example, heavy/light, heavier than, lighter than]
-capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
-time [for example, quicker, slower, earlier, later]

Measure and begin to record the following:
• lengths and heights
• mass/weight
• capacity and volume
• time (hours, minutes, seconds)

Recognise and know the value of different denominations of coins and notes.

Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]

Recognise and use language relating to dates, including days of the week, weeks, months and years.

Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. | Recognise and name common 2-D and 3-D shapes, including:

2-D shapes [for example, rectangles (including squares), circles and triangles]

3-D shapes [for example, cuboids (including cubes), pyramids and spheres].

Describe position, direction and movement, including whole, half, quarter and three-quarter turns. | No statistics in Year 1 |