P4 Benchmarks: Numeracy and Maths

Numeracy

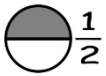
Counting 

- I can confidently read, write and make any number up to 1000 in numbers and words.
- I can count confidently forwards and backwards in 2s, 3s, 5s, and 10s.
- I can count forwards and backwards in 1s and 100s up 1000.
- I can count in 10s from any number up to 1000 (e.g. 327, 337, 347)

Calculations 

- I can round numbers to the nearest 10 and 100 within 1000 and use this skill to help me estimate the answer to a calculation.
- Within 1000, I can confidently partition a number into hundreds, tens and ones (e.g. 234 = 200 + 30 + 4).
- I can confidently order numbers to 1000.
- I understand the *commutative law* for all addition, subtraction and multiplication calculations (e.g. 365 + 123 = 488 *so* 123 + 365 = 488)
- Using a range of different strategies, I can add and subtract 2-digit numbers through ten (e.g. 45 – 17 = 28)
- I can add and subtract multiples of hundreds to three-digit numbers (e.g. 358 – 200 = 158).

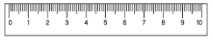
Maths

Fractions 

- I can double and half 2-digit numbers within 100, e.g. 45 + 45 = 90
- I can divide a shape into thirds, fifths and tenths and I can place these fractions on a number line.
- I can use my knowledge of division to find a half, third, quarter, fifth and tenth of a number (e.g. 9 ÷ 3 = 3 so a third of 9 = 3).
- I can confidently read fractions and explain what the numbers mean, using the terms *numerator* and *denominator.*

Time 

- I can confidently read *o'clock, half past and quarter to/past* times on analogue and digital clocks.
- I can confidently convert these analogue times into digital times (e.g. quarter past 3 = 3.15pm)
- I am developing my awareness of the 24-hour digital clock.
- I can recall a great range of time facts (e.g. 10 years = a decade).
- I can confidently use a calendar and I can understand 12-hour timetables.

Measurement 

- Using a range of equipment, I can measure the size of an object in **mm**, **cm** and **metres;** the capacity of an object in **ml** and **litres;** and weight of something in **grams** and **kgs**.

- Using a column method and number line strategies, I can add and subtract 3-digit, including calculations that cross a ten (e.g. 345 + 227 = 572)
- Within 100, I can use my addition and subtraction strategies to find a missing number (e.g 43 + ? = 100).
- I am starting to remember my 2s, 3s, 4s, 5s, and 10s timestables.
- I can use my timestables to solve division calculations (e.g. 4 x 5 = 20 so 20 ÷ 4 = 5 and 20 ÷ 5 = 4)
- Using physical materials, I can solve a range of division calculations (e.g. 6 ÷ 3 = 2 so 600 ÷ 3 = 200).
- I can multiply and divide 3-digit numbers by 10 and 100 (e.g 450 ÷ 10 = 45)
- I can solve a two-step problem that involves multiplication and division.
- I can use < > symbols accurately in a number sentence up to 1000.
- I can find the value of a missing symbol in a calculation beyond 100. (e.g 145 + ◊ = 200).

Money 

- I confidently recognise all the notes and coins within £20.
- I can solve addition and subtraction calculations within £10.
- I can convert money between pounds and pence (e.g. £4.50 = 450p).
- I understand how people keep their money safe online.
- I can convert centimetres into metres (e.g. 125cm = 1.25m)
- By counting squares, I can compare the area of different shapes.

Patterns 

- I can continue a number pattern and create my own number pattern.

Shape 

- I can identify the three types of lines: *vertical*, *horizontal* and *diagonal*.
- I can name a range of regular and irregular 2D and 3D shapes.

Directions 

- I can use the 4 compass points to give and follow directions.
- I can use grid references and coordinates to find items on a map.

Angles and symmetry 

- I can estimate if an angle is greater or smaller than a right angle (90^o).
- I can find more than one line of symmetry in a picture and create my own picture with multiple lines of symmetry.

Information Handling 

- I can confidently interpret a range of different graphs.
- I can make a simple graph, ensuring it has a title, labelled axis and a clear scale.
- I can use information to make predictions (e.g. making a weather forecast).