Year 3 Curriculum Expectations - Maths

Number

Numbers and Place Value
I can count from 0 in multiples of 4, 8, 50 and 100.

I can find 10 or 100 more or less than a given number.

I can recognise the place value of each digit in a three-digit number (hundreds, tens, ones).

I can compare and order numbers up to 1000.

I can identify, represent and estimate numbers using different representations.

I can read and write numbers up to 1000 in numerals and in words.

I can solve number problems and practical problems involving these ideas.

Addition and Subtraction
I can add and subtract numbers mentally, including:
- o   a three-digit number and ones
- o   a three-digit number and tens
- o   a three-digit number and hundreds.

I can add & subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

I can estimate answers to calculations; use inverse operations to check answers.

I can solve problems, including missing number problems, using number facts, place value & more complex addition and subtraction.

Multiplication and Division
I can recall & use multiplication and division facts for the 3, 4 and 8 tables.

I can write and calculate statements for multiplication and division using tables they know, including for TU x U using mental and progressing to formal written methods.

I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects.

Number (continued)
Fractions, Decimals and Percentages I can count up and down in tenths;
I can recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.
I can recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
I can recognise and use fractions as numbers: unit fractions & non-unit fractions with small denominators.
I can recognise and show, using diagrams, equivalent fractions with small denominators.
I can add and subtract fractions with the same denominator within one whole [e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]
I can compare and order unit fractions, and fractions with the same denominators.
I can solve problems that involve all of the above.

Measurement
I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
I can measure the perimeter of simple 2-D shapes.
I can add and subtract amounts of money to give change, using both £ and p in practical contexts.
I can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.
I can estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.
I know the number of seconds in a minute and the number of days in each month, year and leap year.
I can compare durations of events, [for example to calculate the time taken by particular events or tasks.]

Geometry
Properties of Shape I can draw 2-D shapes and make 3-D shapes using modelling materials;
I can recognise 3-D shapes in different orientations and describe them.
I can recognise angles as a property of shape or a description of a turn.
I can identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn.
I can identify whether angles are greater than or less than a right angle.
I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

Statistics
I can interpret and present data using bar charts, pictograms and tables.
I can solve one and two step questions [For example: "How many more?" and "How many fewer?"]… using information presented in scaled bar charts and pictograms and tables.