Year 4 Maths Assessment Checklist

Number and Place Value

- [ ] I can count in multiples of 6, 7, 9, 25 and 1000.
- [ ] I can find 1000 more or less than a given number.
- [ ] I can count backwards through zero to include negative numbers.
- [ ] I can recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
- [ ] I can order and compare numbers beyond 1000.
- [ ] I can identify, represent and estimate numbers using different representations.
- [ ] I can round any number to the nearest 10, 100 or 1000.
- [ ] I can solve number and practical problems that involve all of the above and with increasingly large positive numbers.
- [ ] I can read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.

Addition and Subtraction

- [ ] I can add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
- [ ] I can estimate and use inverse operations to check answers to a calculation.
- [ ] I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Multiplication and Division

- [ ] I can recall multiplication and division facts for multiplication tables up to 12 × 12.
- [ ] I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
- [ ] I can recognise and use factor pairs and commutativity in mental calculations.
- [ ] I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
- [ ] I can solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

Fractions (including decimals)

- [ ] I can recognise and show, using diagrams, families of common equivalent fractions.
- [ ] I can count up and down in hundredths and recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- [ ] I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.
- [ ] I can add and subtract fractions with the same denominator.

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- ☐ I can recognise and write decimal equivalents of any number of tenths or hundredths.
- ☐ I can recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.
- ☐ I can find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.
- ☐ I can round decimals with one decimal place to the nearest whole number.
- ☐ I can compare numbers with the same number of decimal places up to two decimal places.
- ☐ I can solve simple measure and money problems involving fractions and decimals to two decimal places.

Measurement

- ☐ I can convert between different units of measure (for example, kilometre to metre; hour to minute).
- ☐ I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
- ☐ I can find the area of rectilinear shapes by counting squares.
- ☐ I can estimate, compare and calculate different measures, including money in pounds and pence.
- ☐ I can read, write and convert time between analogue and digital 12- and 24-hour clocks.
- ☐ I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

Properties of Shapes

- [ ] I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
- [ ] I can identify acute and obtuse angles and compare and order angles up to two right angles by size.
- [ ] I can identify lines of symmetry in 2-D shapes presented in different orientations.
- [ ] I can complete a simple symmetric figure with respect to a specific line of symmetry.

Position and Direction

- [ ] I can describe positions on a 2-D grid as coordinates in the first quadrant.
- [ ] I can describe movements between positions as translations of a given unit to the left/right and up/down.
- [ ] I can plot specified points and draw sides to complete a given polygon.

Statistics

- [ ] I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
- [ ] I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.