Ready to Progress: Year 4

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 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 (I understand thousands, hundreds, tens and ones).
I can order and compare numbers beyond 1000.
I can identify, represent and estimate numbers using different representations; for example, I can make a reasonable guess of how many marbles are in a large jar.
I can round any number to the nearest 10, 100 or 1000.
I can solve number and practical problems involving increasingly large positive numbers and place value.
I can read Roman numerals up to 100 and I know that our number system has changed over time to include zero and place value.

Addition and Subtraction

I can use column addition and subtraction for numbers up to 4 digits, where appropriate.
I can estimate and check my answers to calculations using the inverse (opposite) operation.
I can solve two-step addition and subtraction problems, deciding which operations and methods to use and why.

Multiplication and Division

I can know, and can confidently use, all times tables up to 12 × 12.
I can use place value and known facts to multiply and divide in my head, including: • multiplying by 0 and 1; • dividing by 1; • multiplying together three numbers.
I can recognise and use factor pairs and use them to work out calculations in my head.
I can use a formal written method of multiplication for multiplying two-digit and three-digit numbers by a one-digit number.
I can solve multiplication and addition problems, including those involving distributive law, to multiply two-digit numbers by one digit numbers, to solve scaling problems and to solve trickier correspondence problems; for example, how many different combination of meals can I make with a choice of 3 starters and 4 main courses?

Fractions

I can recognise and show, using diagrams, families of common equivalent fractions, such as $\frac{1}{2}$, $\frac{2}{4}$ and $\frac{4}{8}$.
I can round up and down in hundredths and understand that a hundredth comes from dividing an object by one hundred or a tenth by ten.
I can solve problems with increasingly harder fractions to calculate quantities and divide amounts, including non-unit fractions, where the answers are whole numbers.
I can add and subtract fractions with the same denominator.
I can find and write the decimal equivalents of tenths or hundredths.
I can find and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$.
I can divide a one or two-digit number by 10 and 100, and know the value of each of the digits in the answer. (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 the fractions and decimals to two decimal places.

Measurement

I can convert between different units of measure, such as kilometres to metres or hours to minutes.
I can measure and calculate the perimeter (the distance all the way around) of rectangular shapes, including squares, in centimetres and metres.
I can find the area (the size of the surface) of rectangular 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 by converting hours to minutes; minutes to seconds; years to months; weeks to days.

Geometry

I can compare and group different shapes, including quadrilaterals and triangles, based on their properties and sizes; for example, group according to number of sides.
I can identify acute and obtuse angles and can compare and order angles by size.
I can find lines of symmetry in 2D shapes.
I can complete a shape by using its line of symmetry.

Position and Direction

I can describe positions on a 2D grid as coordinates in the first quadrant.
I can describe changes in positions as translations (movements) up or down and left or right using the given unit.
I can plot specified points and draw sides to complete a given polygon (closed shape with at least 3 straight sides and angles).

Statistics

I can interpret and record continuous and discrete data using different types of graphs, including bar charts and time graphs.
I can solve problems involving comparisons, sums and differences using information presented in bar charts, pictograms, tables and other graphs.