Year 4 National Curriculum Programme of Study

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.

I can compare and order 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 and know that over time, the numeral system changed to include the concept of 0 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 to check answers to a calculation.

I can use inverse operations to check answers to a calculation.

I can solve addition and subtraction two step problems deciding which operations and methods to use and why.

Multiplication and Division.

I can recall multiplication and division facts for times tables up to 12 x 12.

I can recognise and use factor pairs

I can use place value and known derived facts to multiply and divide mentally.

I can explain commutativity in multiplication.

I can multiply a two-digit number by a one-digit number using a formal written method.

I can multiply a three-digit number by a one-digit number using a formal written method.

I can solve multiplication and division problems, including using the distributive law to multiply two-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

Fractions

I can recognise and show, using diagrams, families of common equivalent fractions

I can count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10

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.

I can recognise and write decimal equivalents to 1/2, 1/4, and 3/4.

I can recognise and write decimal equivalents of any number of tenths or hundredths.

I can find the effect of dividing a one or two-digit number by 10 and 100 and identify the value of the digits in the answer.

I round decimals with one decimal place to the nearest whole number and compare.

I can compare numbers with the same number of decimal places up to 2 decimal places

I can solve simple measure and money problems involving fractions and decimals to 2 decimal places.

Measurement

I can convert between different units of measure

I can find the area of rectilinear shapes by counting squares measure and calculate the perimeter of a rectilinear figure in centimetres and metres.

I can find the area of rectilinear shapes by counting squares

I can estimate, compare and calculate different measure, 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 Shape

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 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 co-ordinates 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