Number and Place Value

Count in multiples of 6, 7, 9, 25 and 1000.
I can count in multiples of 6, 7, 9, 25 and 1000.

Find 1000 more or less than a given number.
I can find 1000 more or less than a given number.

Count backwards through zero to include negative numbers.
I can count backwards through 0 to include negative numbers.

Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
I can recognise the place value of each digit of a 4 digit number (thousands, hundreds, tens and units).

Order and compare numbers beyond 1000.
I can order and compare numbers beyond 1000.

Identify, represent and estimate numbers using different representations including measures
I can identify, represent and estimate numbers using different representations including measures

Round any number to the nearest 10, 100 or 1000.
I can round numbers to the nearest 10, 100 or 1000.

Solve number and practical problems that involve all of the above, and with increasingly large positive numbers.
I can solve number and practical problems that involve large positive numbers.

Read Roman numerals up to 100 (I to C) and know that, over time, the numeral system changed to include the concept of zero and place value.
I can read Roman numerals up to 100 and know that the number system has changed to include 0 and place value.

Addition and Subtraction

Add numbers with up to 4 digits using the formal written method of columnar addition.
I can add numbers with up to four digits using the formal column method.

Subtract numbers with up to 4 digits using the formal written method of columnar subtraction.
I can subtract numbers with up to four digits using the formal column method.

Estimate and use inverse operations to check answers to a calculation.
I can use estimating and inverse operations to check my answers.

Solve addition and subtraction two-step problems in context, deciding which operations and methods to use and why.
I can solve two step addition and subtraction problems, using different methods and explain why I used them.

Multiplication and Division

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

Use place value, and known and derived facts, to multiply and divide mentally, including: multiplying by 0 and 1, dividing by 1, multiplying together three numbers.
I can use place value and number facts to multiply and divide mentally, including multiplying by 1 and 0; dividing by 1; and multiplying together 3 numbers.

Recognise and use factor pairs and commutativity in mental calculations.
I can use factor pairs in mental calculations.

Multiply two-digit and three-digit numbers by a one-digit number using a formal written layout.
I can multiply two digit and three digit numbers by a one digit number using a formal written method.

Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit numbers, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
I can solve problems involving multiplication and addition, including using the distributive law e.g. 3 x (12 + 14) = 3 x 12 + 3 x 14.

Fractions

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

Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
I can count up and down in hundredths and know that dividing an object by 100 creates hundredths as does dividing tenths by ten.

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 solve problems involving fractions to calculate quantities and fractions to divide quantities.

Add and subtract fractions with the same denominator.
I can add and subtract fractions with the same denominator.

Recognise and write decimal equivalents of any number of tenths or hundredths.
I can find and write decimal equivalents using tenths and hundredths.

Recognise and write decimal equivalents of 1/4, 1/2, 3/4.
I can find and write decimal equivalents of 1/4, 1/2 and 3/4.

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 divide one and two digit numbers by 10 and 100 and can explain the effect this has on place value.

Round decimals with one decimal place to the nearest whole number.
I can round decimals using tenths to the nearest whole number.

Compare numbers with the same number of decimal places (up to two decimal places).
I can compare numbers with the same number of decimal places (up to two decimal places).

Solve simple measure and money problems involving fractions, and decimals with up to two decimal places.
I can solve simple money and measure problems involving fractions, and decimals with up to two decimal places.

Properties of Shape

Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

Identify acute and obtuse angles, and compare and order angles up to two right angles by size.
I can identify acute and obtuse angles. I can compare and order angles up to two right angles by size.

Identify lines of symmetry in 2-D shapes presented in different orientations.
I can identify lines of symmetry in 2-D shapes presented in different orientations.

Complete a simple symmetric figure with respect to a specific line of symmetry.
I can complete a simple symmetric figure with respect to a specific line of symmetry.

Position and Direction

Describe positions on a 2-D grid as coordinates in the first quadrant.
I can plot positions on a 2-D grid as positive number coordinates.

Describe movements between positions as translations of a given unit to the left/right and up/down.
I can describe movements between positions as translations of a given unit to the left/right and up/down.

Plot specified points and draw sides to complete a given polygon.
I can plot points I am given and draw sides to complete a given polygon.

Measurement

Convert between different units of measure e.g. kilometre to metre, hour to minute.
I can convert different units of measurement e.g. I can convert kilometres into metres or hours into minutes.

Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
I can measure and calculate the perimeter of a rectilinear figure (Including squares) in centimetres and metres.

Find the area of rectilinear shapes by counting squares.
I can find the area of rectilinear shapes by counting squares.

Estimate, compare and calculate different measures, including money in pounds and pence.
I can estimate, compare and calculate different measures, including money in pounds and pence.

Read, write and convert time between analogue and digital 12- and 24-hour clocks.
I can read, write and compare time between analogue and digital 12-hour and 24-hour clocks.

Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
I can solve problems where I need to convert units of time such as hours to minutes, minutes to seconds, years to months or weeks to days.

Statistics

Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.
I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.