



## 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.  
*I can identify, represent and estimate numbers, including measures, using different representations.*

**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.  $3 \times (12 + 14) = 3 \times 12 + 3 \times 14$ .*

## 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  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ .  
*I can find and write decimal equivalents of  $\frac{1}{4}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$ .*

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.*

Begin to recognise where angles are greater than two right angles. Know the term straight angle, referring to two right angles together.  
*I can recognise where angles are greater than two right angles. I know the term straight angle refers to two right angles together.*

Begin exploring line symmetry with two lines of symmetry.  
*I can use line symmetry with two lines 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.*

