

## Number & Place Value

*I can read, write, order and compare numbers up to at least 1,000,000 (one million) and say the value of each digit.*

I can keep multiplying a number by 10 or 100 up to 1,000,000 and count back.

*I can use negative numbers in context when looking at temperature or money, counting forwards and backwards through 0.*

I can round numbers up to 1,000,000 to the nearest 10, 100, 1000, 10,000 or 100,000.

I can solve number and practical problems that involve ordering and comparing numbers up to 1,000,000, counting forwards or backwards in steps, using negative numbers, and rounding.

I can read Roman numerals up to 1000 and recognise years written in them.

## Addition & Subtraction

*I can add and subtract numbers with more than 4 digits using written methods.*

*I can add and subtract 2 and 3 digit numbers in my head.*

I can use rounding to check answers to calculations and determine levels of accuracy.

*I can solve addition and subtraction problems needing more than one step and can work out which operation and method is the most suitable.*

## Multiplication & Division

*I can find multiples and factors of a number and can identify factors common to 2 different numbers.*

I can use vocabulary relating to prime numbers, prime factors and composite numbers.

I can work out if any given number up to 100 is a prime number and can recall prime numbers up to 19.

I can multiply numbers with up to 4 digits by a 1 or 2 digit number using formal written methods.

I can mentally multiply and divide numbers using the times tables.

I can divide numbers with up to 4 digits by a 1 digit number, using formal written methods, and can explain remainders.

I can multiply and divide whole and decimal numbers by 10, 100 and 1000.

I can identify and use square and cube numbers and their notations.

*I can solve problems involving multiplication and division, including using factors and multiples, squares and cubes.*

I can solve problems involving addition, subtraction, multiplication and division, and a combination of these, including understanding the meaning of the equals sign.

*I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.*

## Fractions

*I can compare and order fractions whose denominators are all multiples of the same number.*

I can find, name and write equivalent fractions of a given fraction, including tenths and hundredths.

I can identify mixed numbers and improper fractions and convert from one to another such as  $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$ .

I can add and subtract fractions whose denominators are all multiples of the same number.

I can multiply fractions by whole numbers using objects and pictures.

*I can read and write decimal numbers as fractions such as  $0.71 = 71/100$ .*

I can identify and use thousandths and can explain how they relate to tenths and hundredths and their decimal equivalents.

I can round numbers with two decimal places.

*I can read, write, order and compare numbers with up to three decimal places.*

I can solve problems involving numbers with up to three decimal places.

I can identify the percent symbol (%) and how it relates to parts per hundred, hundredths and decimals.

*I can solve problems which require knowing percentage and decimal equivalents of  $1/2$ ,  $1/4$ ,  $1/5$ ,  $2/5$ ,  $4/5$  and those fractions with a denominator of a multiple of 10 or 25.*

