|  |  |
| --- | --- |
| **Y1** | **Recognise, find and name a half as 1 of 2 equal parts of an object, shape, quantity** **Recognise, find, name a quarter as 1 of 4 equal parts of an object, shape or quantity.**  |
| **Y2** | **Recognise, find, name and write fractions 1/3 , ¼ 2/4 and ¾ of a length, shape, set of objects or quantity.****Write simple fractions for example, ½ of 6 = 3 and recognise equivalence of 2/4 and ½.** |
| **Y3** |

|  |
| --- |
| **Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal** **parts and in dividing one-digit numbers or quantities by 10** **Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators** **Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators** **Recognise and show, using diagrams, equivalent fractions with small denominators** **Add and subtract fractions with the same denominator within one whole** **Compare and order unit fractions, and fractions with the same denominators** **Solve problems that involve all of the above.**  |

 |
| **Y4** | **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.****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****Add and subtract fractions with the same denominator****Recognise and write decimal equivalents of any number of tenths or hundredths****Recognise and write decimal equivalents to ¼, ½, 1/3****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****Round decimals with one decimal place to the nearest whole number****Compare numbers with the same number of decimal places up to two decimal places****Solve simple measure and money problems involving fractions and decimals to two decimal****place** |
| **Y5** | **Compare and order fractions whose denominators are all multiples of same number****Identify, name and write equivalent fractions of a given fraction, represented visually,****including tenths and hundredths****Recognise mixed numbers and improper fractions and convert from one form to the other****and write mathematical statements > 1 as a mixed number****Add and subtract fractions with the same denominator and denominators that are****multiples of the same number****Multiply proper fractions and mixed numbers by whole numbers, supported by materials and****diagrams****Read and write decimal numbers as fractions [for example, 0.71 = 100****71/100****Recognise and use thousandths and relate them to tenths, hundredths and decimal****equivalents****Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place****Read, write, order and compare numbers with up to three decimal places****Solve problems involving number up to three decimal places****Recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts****per hundred’, and write percentages as a fraction with denominator 100, and as a decimal****Solve problems which require knowing percentage and decimal equivalents of****½ , ¼, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.** |
| **Y6** | **Use common factors to simplify fractions; use common multiples to express fractions in the** **same denomination** **Compare and order fractions, including fractions > 1** **Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions** **Multiply simple pairs of proper fractions, writing the answer in its simplest form** **Divide proper fractions by whole numbers [for example, ÷ 2 = ] 31 61** **Associate a fraction with division and calculate decimal fraction equivalents [for example,** **0.375] for a simple fraction [for example, ] 83** **Identify the value of each digit in numbers given to three decimal places and multiply** **and divide numbers by 10, 100 and 1000 giving answers up to three decimal places** **Multiply one-digit numbers with up to two decimal places by whole numbers** **Use written division methods in cases where the answer has up to two decimal places** **Solve problems which require answers to be rounded to specified degrees of accuracy** **Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.**  |

**NUMBER: FRACTIONS, DECIMALS and PERCENTAGES**

|  |
| --- |
|  |