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| **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**

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