## Number: Fractions (including Decimals and Percentages)



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| EYFS | COMPARING DECIMALS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  |  |  | compare numbers with the same number of decimal places up to two decimal places | read, write, order and compare numbers with up to three decimal places | identify the value of each digit in numbers given to three decimal places |
| ROUNDING INCLUDING DECIMALS |  |  |  |  |  |  |
|  |  |  |  | round decimals with one decimal place to the nearest whole number | round decimals with two decimal places to the nearest whole number and to one decimal place | solve problems which require answers to be rounded to specified degrees of accuracy |
|  | EQUIVALENCE (INCLUDING FRACTIONS, DECIMALS AND PERCENTAGES) |  |  |  |  |  |
|  |  | write simple fractions e.g. ${ }^{1} / 2$ of $6=3$ and recognise the equivalence of ${ }^{2} / 4$ and $1 / 2$. | recognise and show, using diagrams, equivalent fractions with small denominators | recognise and show, using diagrams, families of common equivalent fractions | identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths | use common factors to simplify fractions; use common multiples to express fractions in the same denomination |
|  |  |  |  | recognise and write decimal equivalents of any number of tenths or hundredths | read and write decimal numbers as fractions $\text { (e.g. } 0.71={ }^{71} /{ }_{100} \text { ) }$ | associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. ${ }^{3} / 8$ ) |
|  |  |  |  |  | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents |  |
|  |  |  |  | recognise and write decimal equivalents to | recognise the per cent symbol (\%) and | recall and use equivalences |

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|  |  |  |  |  |  | multiply one-digit numbers with up to two decimal places by whole numbers |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | divide proper fractions by whole numbers (e.g. ${ }^{1} / \div \div 2$ $=1 /{ }_{6}$ ) |
|  | MULTIPLICATION AND DIVISION OF DECIMALS |  |  |  |  |  |
| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  |  |  |  |  | multiply one-digit numbers with up to two decimal places by whole numbers |
|  |  |  |  | find the effect of dividing a one- or twodigit number by 10 and 100 , identifying the value of the digits in the answer as ones, tenths and hundredths |  | multiply and divide numbers by 10,100 and 1000 where the answers are up to three decimal places |
|  |  |  |  |  |  | identify the value of each digit to three decimal places and multiply and divide numbers by 10,100 and 1000 where the answers are up to three decimal places |
|  |  |  |  |  |  | associate a fraction with division and |

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