

| COMPARING FRACTIONS |  |  |  |  |  |  |  |  |  |  |  |
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|  | compare and order unit <br> fractions, and fractions <br> with the same <br> denominators | compare and order <br> fractions whose <br> denominators are all <br> multiples of the same <br> number | compare and order <br> fractions, including <br> fractions $>1$ |  |  |  |  |  |  |  |  |


| 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)

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| :---: | :---: | :---: | :---: | :---: | :---: |
|  | write simple fractions e.g. $\frac{1}{2} \quad /$ of $6=3$ and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ | 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 (e.g. $0.71=\frac{71}{100}$ ) <br> recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents | associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $\frac{3}{8}$ ) |
|  |  |  | recognise and write decimal equivalents to $\frac{1}{4} ; \frac{1}{2} ; \frac{3}{4}$ | 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 as a decimal fraction | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. |

## Fractions at Brambleside Primary School

| ADDITION AND SUBTRACTION OF FRACIIONS |  |  |  |  |  |
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| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  | add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7}+\frac{1}{7}=\frac{6}{7}$ ) | add and subtract fractions with the same denominator | add and subtract fractions with the same denominator and multiples of the same number | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |
|  |  |  |  | recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number $\text { (e.g. } \frac{2}{5}+\frac{4}{5}=\frac{6}{5}=1 \frac{1}{5} \text { ) }$ |  |



| MULTIPLICATION AND DIVISION OF DECIMALS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 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 two-digit 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 calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. ${ }^{3 / 8}$ ) |


|  |  |  |  | use written division <br> methods in cases where <br> the answer has up to <br> two decimal places |  |
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| PROBLEM SOLVING |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  | solve problems that involve all of the above | 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 | solve problems involving numbers up to three decimal places |  |
|  |  |  | Solve simple measure and money problems involving fractions and decimals to two decimal places. | solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}$ <br> and those fractions with a denominator of a multiple of 10 or 25 . |  |

