



# St Felix RC Primary School

## Maths Curriculum



### Progression document: Fractions, decimals and percentages

Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		<p>Recognise a half as one of two equal parts of a shape, object or set</p> <p>Recognise and name a quarter as one of four equal parts of a shape, object or set.</p>	<p>Recognise, find and name <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a shape, object or set</p> <p>Recognise <math>\frac{1}{2}</math> of a number e.g. <math>\frac{1}{2}</math> of 6 = 3</p> <p>Begin to recognise equivalence of <math>\frac{2}{4} = \frac{1}{2}</math></p>	<p>Read and write proper fractions where the whole is divided into <math>\frac{1}{2}</math>, <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{8}</math> and <math>\frac{1}{10}</math></p> <p>To use fraction notation to label fractions</p> <p>To find unit fractions of quantities and sets (using known multiplication facts)</p> <p>To position fractions (above) on a number line.</p> <p>To add and subtract fractions with the same</p>	<p>To understand the terms numerator and denominator</p> <p>To recognise and show, using diagrams, families of common equivalent fractions.</p> <p>To find unit and non-unit fractions of quantities (where answer is a whole number)</p> <p>To count in fractions beyond 1.</p> <p>To recognise mixed numbers and be able to position these on a number line.</p> <p>To convert mixed numbers into improper fractions and vice versa</p>	<p>To compare and order fractions where denominators are multiples of each other.</p> <p>To find equivalent fractions and position them on a number line.</p> <p>To compare improper fractions and mixed numbers</p> <p>To add and subtract fractions with different denominators.</p> <p>To multiply proper fractions and mixed numbers by whole numbers.</p> <p>To recognise fraction and decimal equivalents for tenths and hundredths (e.g. <math>0.71 = \frac{71}{100}</math>)</p>	<p>To use common factors and multiples to find equivalent fractions.</p> <p>To add and subtract fractions and mixed numbers with different denominators.</p> <p>To multiply fractions by fractions.</p> <p>To divide fractions by whole numbers.</p> <p>To use division to calculate fraction and decimal equivalent.</p> <p>To recognise place value with up to 3d.p.</p> <p>To multiply a number with up to 2 d.p. by a single digit number.</p>

				<p>denominator within 1 whole.</p> <p>To recognise complements to 1 whole.</p> <p>To use diagrams to begin to recognise equivalent fractions.</p> <p>To solve one step problems involving fractions.</p> <p>To count up and down in tenths.</p>	<p>To add and subtract fractions and mixed numbers with the same denominator (including bridging 1 whole)</p> <p>To know that <math>\frac{1}{2} = 0.5</math> <math>\frac{1}{10} = 0.1</math></p> <p>To recognise that <math>\frac{1}{100} = 0.01</math> <math>\frac{1}{4} = 0.25</math> <math>\frac{3}{4} = 0.75</math></p> <p>To round decimals (1 d.p.) to the nearest whole number</p> <p>To compare numbers with the same number of decimal places (up to 2.d.p)</p> <p>To solve simple problems involving measures and money (up to 2.d.p.)</p> <p>Count up and down in hundredths.</p>	<p>To recall fraction and decimal equivalents <math>\frac{1}{100} = 0.01</math> <math>\frac{1}{4} = 0.25</math> <math>\frac{3}{4} = 0.75</math> <math>\frac{1}{5} = 0.2</math></p> <p>Begin to recognise <math>\frac{1}{1000} = 0.001</math></p> <p>Round decimals with 2d.p. to nearest tenth and whole number</p> <p>Read, write and compare numbers with 3 d.p.</p> <p>To solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, and those fractions with a denominator of a multiple of 10 or 25.</p>	<p>To carry out division where remainder is expressed as a decimal up to 2d.p.</p> <p>To recall and use equivalence between fractions, decimals and percentages.</p> <p>To round decimals up to 3d.p. to a specified number of places.</p> <p>To calculate percentages of amounts.</p>
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