

Berrybrook Primary School – Fractions and Decimals Policy

The purpose of our Fractions and Decimals Policy is to ensure consistency in the teaching of Mathematics throughout the school and to ensure that pupils develop efficient written and mental methods, underpinned by conceptual understanding.

<p><u>Year 5</u></p>	<p>Objective 1: To compare and order fractions whose denominators are all multiples of the same number.</p>	<p>Objective 2: To identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.</p>	<p>Objective 3: To recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$].</p>
	<p style="text-align: center;"> $\frac{1}{3}$ $\frac{5}{6}$ $\frac{2}{9}$ </p> <p><i>(Numicon)</i></p> 	<p>Coming Soon</p>	<p style="text-align: center;"> $\frac{7}{5} = 1\frac{2}{5}$ $2\frac{1}{3} = \frac{7}{3}$ </p> <p><i>(Numicon and bar models)</i></p> 

Objective 4: To add and subtract fractions with the same denominator and denominators that are multiples of the same number.

$$\frac{4}{5} + \frac{3}{5} = \frac{7}{5} \text{ or } 1\frac{2}{5}$$

(Numicon and bar models)



$$\frac{8}{6} - \frac{3}{6} = \frac{5}{6}$$

(Numicon and bar models)



$$2 - \frac{1}{3} = \frac{5}{3} \text{ or } 1\frac{2}{3}$$

(Numicon and bar models)



$$\frac{3}{6} + \frac{2}{3} = \frac{7}{6} \text{ or } 1\frac{1}{6}$$

(Numicon and bar models)

Coming Soon

$$\frac{6}{8} - \frac{2}{4} = \frac{2}{8}$$

(Numicon and bar models)

Coming Soon

Objective 5: To multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.

$$\frac{2}{6} \times 4 = \frac{8}{6} \text{ or } 1\frac{2}{6}$$

(Numicon)



$$1\frac{3}{4} \times 3 = 5\frac{1}{4}$$

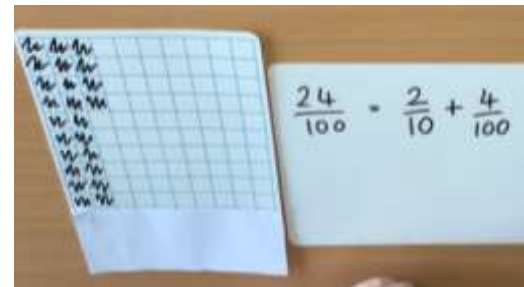
(Numicon)



Objective 6: To read and write decimal numbers as fractions [for example, 0.71 = $\frac{71}{100}$] and recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.

$$\frac{24}{100} = 0.24$$

(Blank hundreds square and place value chart)



	Objective 7: To round decimals with two decimal places to the nearest whole number and to one decimal place.	Objective 8: To read, write, order and compare numbers with up to three decimal places.	Objective 9: To 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.
	Coming Soon	Coming Soon	Coming Soon