Dunstall Hill Primary School – Fractions and Decimals Policy

<u>Year 3</u>

Objective 1: To 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.

Counting in tenths

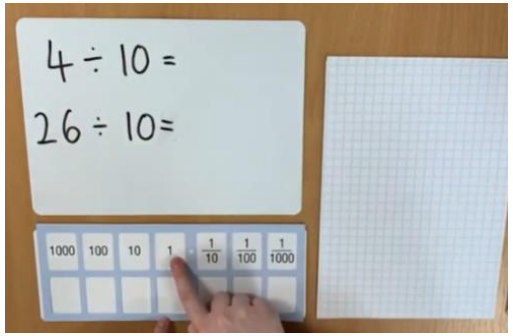
(Counters)

Counting down in tenths

(Counters)

Dividing by 10

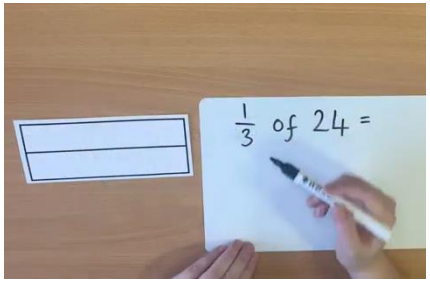
(Place value sliders)



Objective 2: To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators and recognise and use fractions as numbers, unit fractions and non-unit fractions with small denominators.

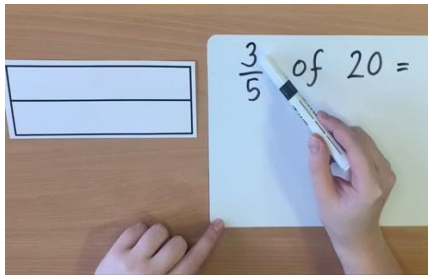
$\frac{1}{3}$ of 24 = 8

(Bar models and counters)



$\frac{3}{5}$ of 20 = 12

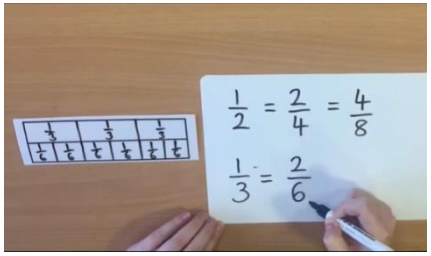
(Bar models and counters)

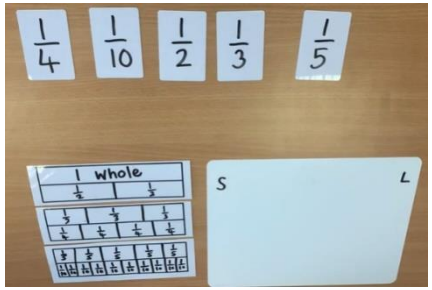


Objective 3: To recognise and show, using diagrams, equivalent fractions with small denominators.

$\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$ $\frac{1}{3} = \frac{2}{6}$

(Bar models)



	Objective 4: To add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$].	**Objective 5:** To compare and order unit fractions, and fractions with the same denominators.
	$\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ *(Numicon and bar models)*  $\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$ *(Numicon and bar models)* 	Unit fractions *(Bar models)*  Same denominator *(Bar models)*