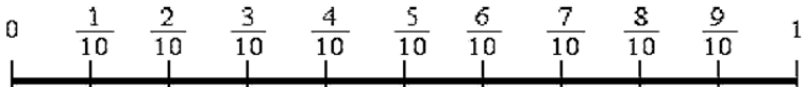
Year 3 Fractions

How can we progress with fractions?

Count up and down in tenths: recognise that tenths arise from dividing an object into ten equal parts and in dividing one-digit numbers or quantities by ten.

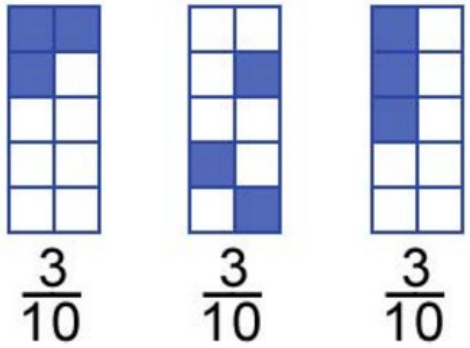
Concrete



Recognise, find and write fractions of a discrete set of objects: unit fractions and use and non-unit fractions as numbers.

$\frac{1}{2}$

Pictorial



Abstract

$\frac{1}{10}$ of 6 = 0.6 because 6 ÷ 10 = 0.6

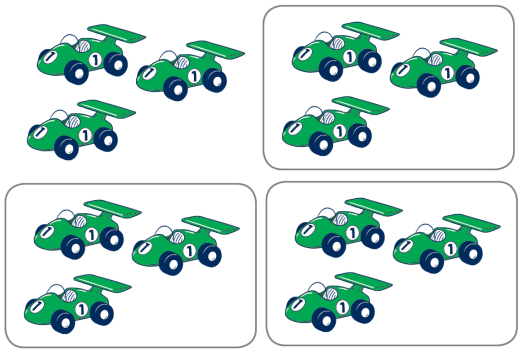
$\frac{1}{10}$ of 7 = 0.7 because 7 ÷ 10 = 0.7

Concrete

$\frac{1}{8}$

Pictorial

$\frac{3}{4}$



Abstract

$\frac{1}{5}$ of 15 sweets = 3 because 15 ÷ 5 = 3

$\frac{2}{5}$ of 15 sweets = 6 because 15 ÷ 5 = 3 and 3 x 2 = 6

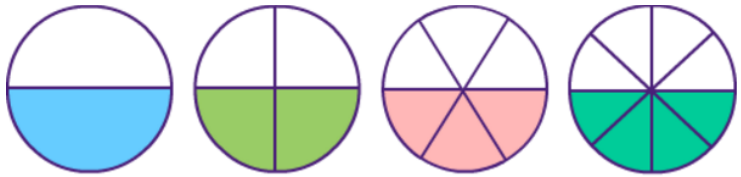
Recognise and show, using diagrams, equivalent fractions with small denominators.

Concrete

two halves $\frac{2}{2}$

four quarters $\frac{4}{4}$

Pictorial



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

Abstract

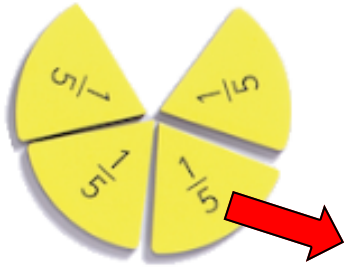
Sam says that two quarters is the same as one half.

Is he correct?

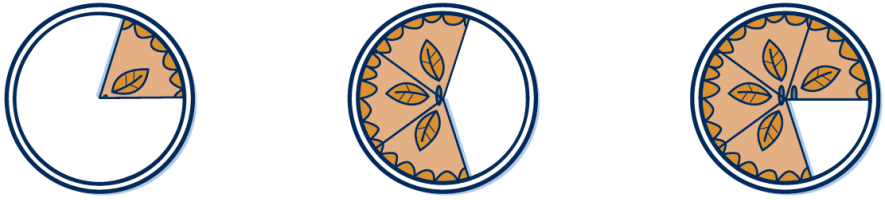
How do you know?

Add and sub-tract fractions with the same denominator.

Concrete



Pictorial



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

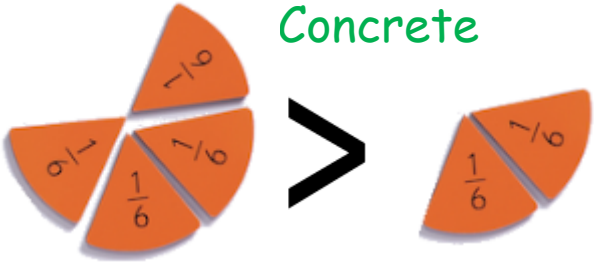
Abstract

$$\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$$

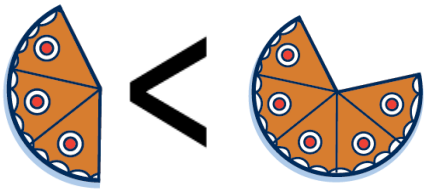
$$\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$$

Compare and order unit fractions with the same denominators.

Concrete



Pictorial



Abstract

$\frac{2}{8}$ $\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{8}$