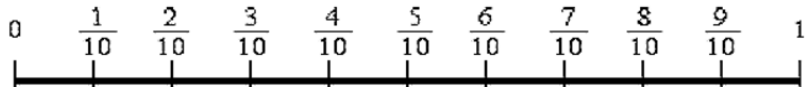


# Year 3 Fractions

How can we progress with fractions?

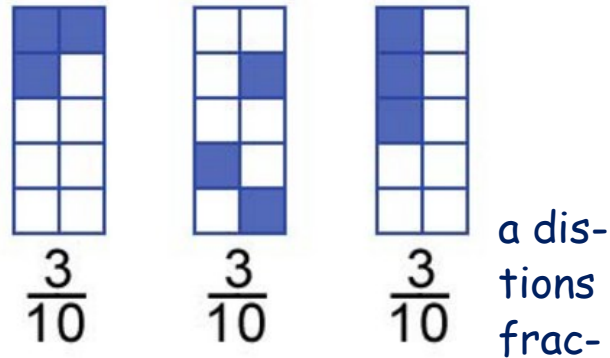
Count up and down in tenths: recognise that tenths arise from dividing an object into ten equal parts and in dividing one-digit numbers or quantities by ten.

## Concrete



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

## Pictorial



## Abstract

$$\frac{1}{10} \text{ of } 6 = 0.6$$

because

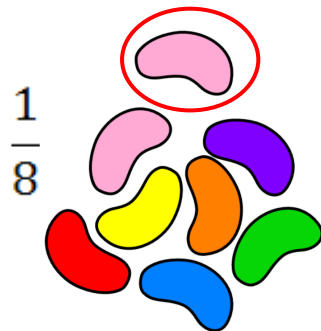
$$6 \div 10 = 0.6$$

$$\frac{1}{10} \text{ of } 7 = 0.7$$

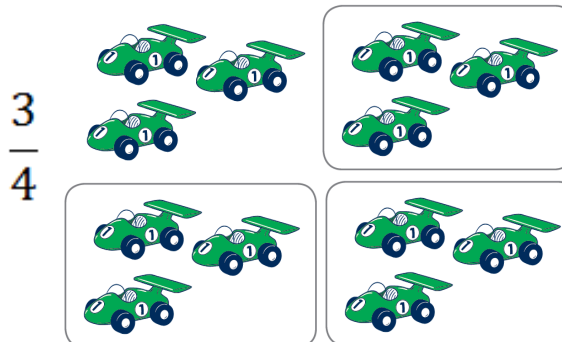
because

$$7 \div 10 = 0.7$$

## Concrete



## Pictorial



## Abstract

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

because  $15 \div 5 = 3$

$$\frac{2}{5} \text{ of } 15 \text{ sweets} = 6$$

because  $15 \div 5 = 3$  and  $3 \times 2 = 6$

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

### Concrete

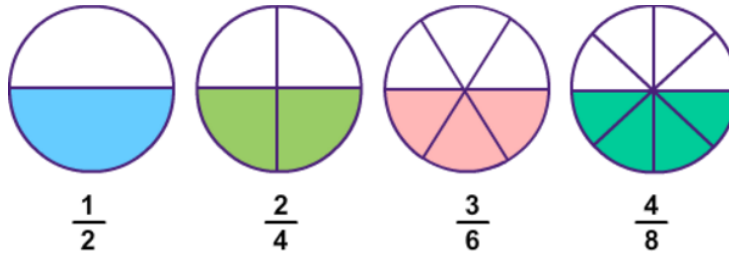


two halves  
 $\frac{2}{2}$

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

Add  
sub-

### 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.

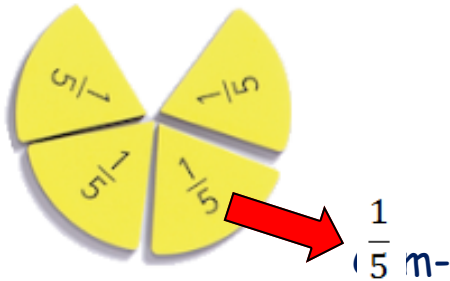
Is he correct?

How do you know?

and

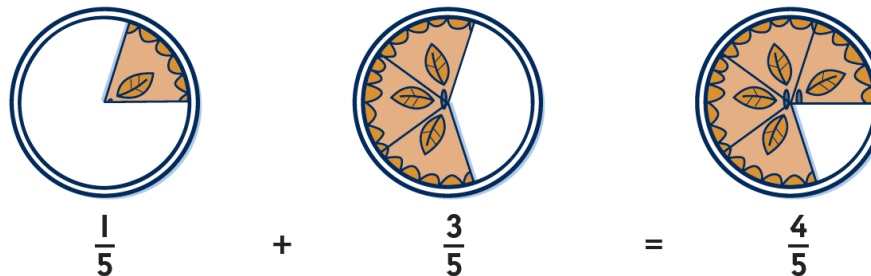
tract fractions with the same denominator.

### Concrete



$\frac{1}{5} m-$

### Pictorial



$\frac{1}{5}$

+

$\frac{3}{5}$

=

$\frac{4}{5}$

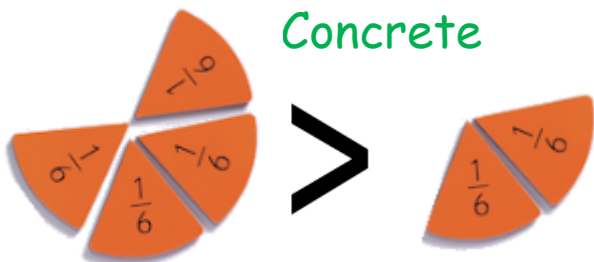
### Abstract

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

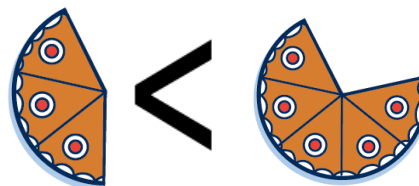
$$\frac{5}{8} - \frac{2}{8} = \frac{3}{8} \text{ pare with}$$

and order unit fractions the same denominators.

### Concrete



### Pictorial



### Abstract

