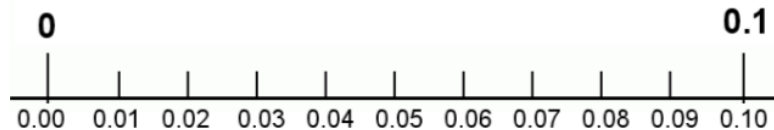


Year 4 Fractions

How can we progress with fractions?

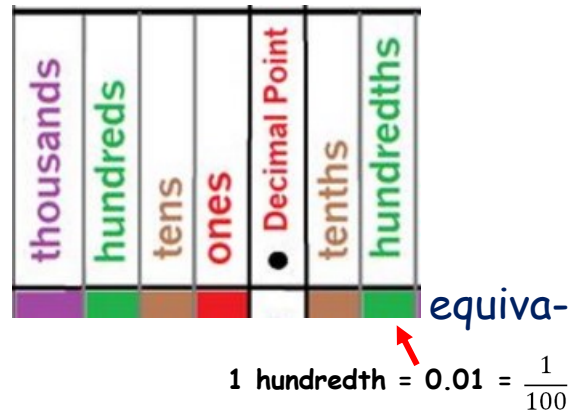
Count up and down in hundredths: recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10.

Concrete



Recognise and write decimal equivalents to $\frac{3}{100}$, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{7}{100}$ and $\frac{3}{4}$.

Pictorial



Abstract

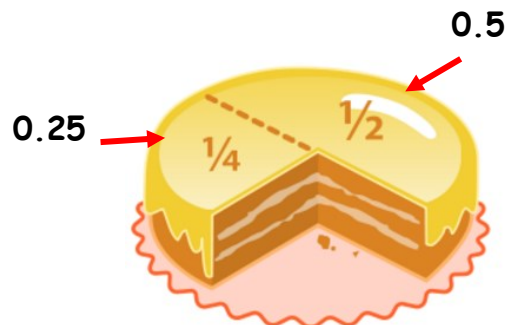
$$\frac{1}{100} \text{ of } 60 = 0.6$$

because $60 \div 100 = 0.6$

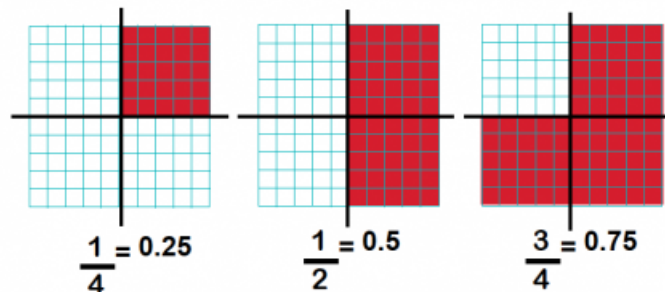
$$\frac{1}{10} \text{ of } 70 = 0.7$$

so $\frac{1}{100} \text{ of } 70 = 0.07$

Concrete



Pictorial



Abstract

$$\frac{1}{2} = 0.5$$

$$\frac{1}{4} = 0.25$$

$$\frac{3}{4} = 0.75$$

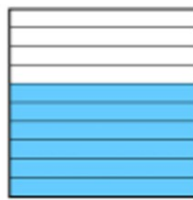
Recognise and write decimal equivalents of any number of tenths or hundredths.

Concrete

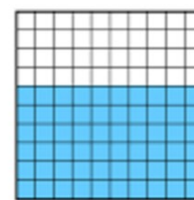


Rec- $\frac{1}{10}$ of the chocolate bar = 0.1

Pictorial



0.6
six tenths



0.60
sixty hundredths

Recognise and write decimal equivalents of any number of tenths or hundredths and show, using diagrams, families of common equivalents.

Abstract

$$\frac{1}{10} = 0.1$$

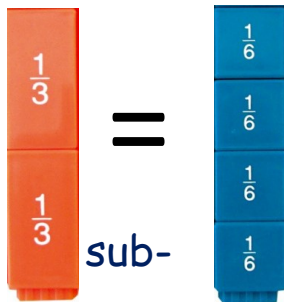
$$\frac{3}{10} = 0.3$$

$$\frac{5}{10} = \frac{1}{2} = 0.5$$

$$\frac{8}{100} = 0.08$$

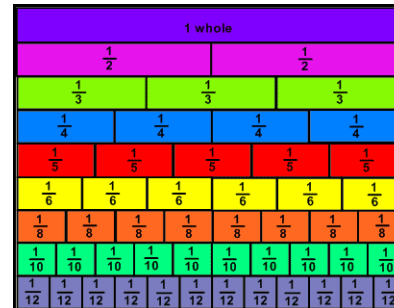
using diagrams

Concrete



Add and subtract fractions with the same denominator.

Pictorial



with the same denominator

Abstract

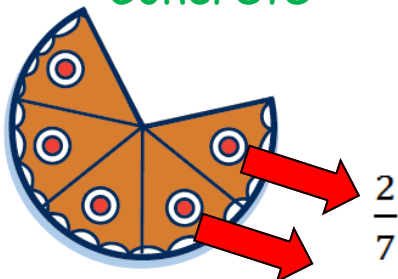
$$\frac{2}{3} = \frac{4}{6}$$

$$\frac{3}{5} = \frac{6}{10}$$

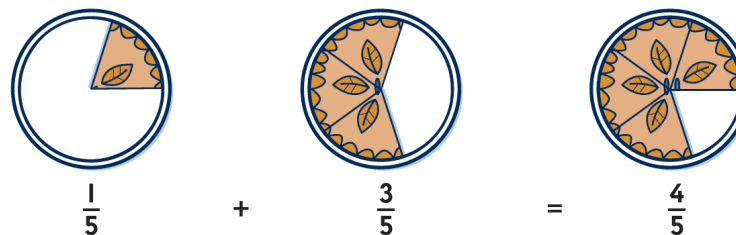
$$\frac{2}{12} = \frac{1}{6}$$

denominator

Concrete



Pictorial

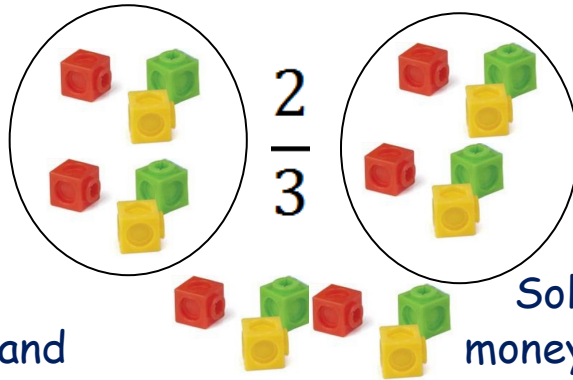


Sam eats $\frac{2}{7}$ of a whole pizza. How much does he have left?

Lucy and Ben both eat $\frac{3}{8}$ of a cake. How much have they eaten altogether?

Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.

Concrete



$\frac{2}{3}$

Pictorial



$\frac{1}{3}$

Abstract

$$\frac{2}{3} \text{ of } £18$$

$$£18 \div 3 = £6$$

$$£6 \times 2 = £12$$

ure
two

and
decimal places.

Solve sim-
money problems involving fractions and decimals to

ple meas-

Concrete



Pictorial

U	.	t	h
Units	Decimal Point	Tenths	Hundredths
	■		

Abstract

$$100\text{cm} = 1\text{m}$$

$$50\text{cm} = \frac{1}{2} = 0.5\text{m}$$

$$25\text{cm} = \frac{1}{4} = 0.25\text{m}$$

$$10\text{cm} = \frac{1}{10} = 0.1\text{m}$$

$$30\text{cm} = \frac{3}{10} = 0.3\text{m}$$