



Day two (Tuesday 24th March 2020)

Arithmetic warm up.

$$7.4 + 0.3 =$$

$$73 \times 3 =$$

$$2.65 \times 6 =$$

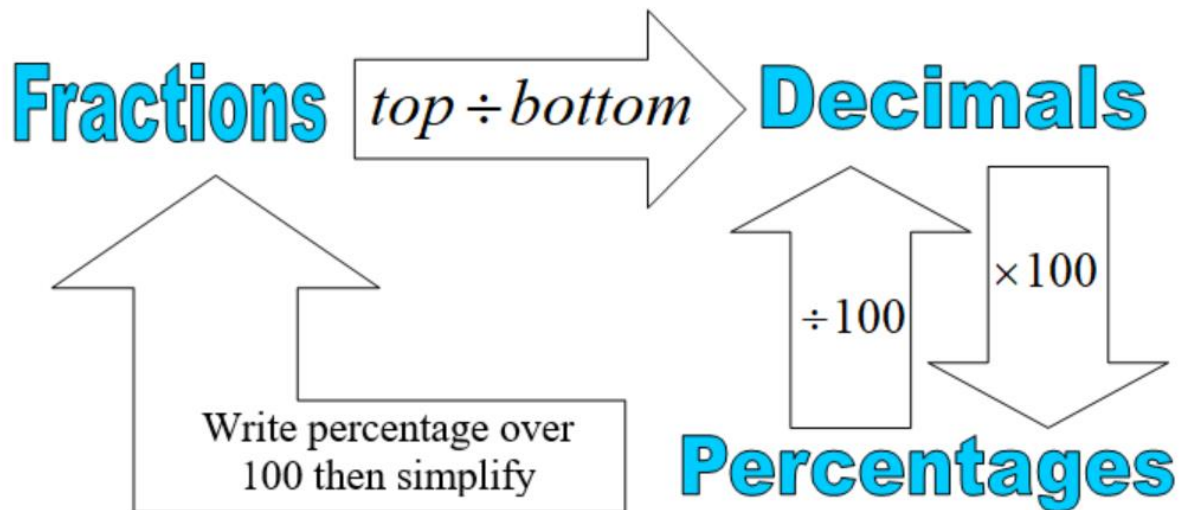
$$\frac{3}{6} + \frac{1}{6} =$$

$$20\% \text{ of } 480 =$$

$$7609 \times 44 =$$

Main activity – Fraction, decimal and percentage equivalents

We have previously looked at converting between fractions, decimals and percentages.



For example:

$$\text{Fraction to decimal: } \frac{3}{4} \rightarrow 3 \div 4 = 0.75$$

$$\text{Decimal to percentage: } 0.75 \times 100 = 75\%$$

$$\text{Percentage to decimal: } 60\% \div 100 = 0.6$$

$$\text{Percentage to fraction: } 60\% \rightarrow \frac{60}{100} = \frac{6}{10} = \frac{3}{5}$$

Task 1 – Practice

Complete the table

Fraction	Decimal	Percentage
$\frac{1}{4}$	0.25	25%
	0.39	
	0.9	90%
	0.1	
$\frac{3}{4}$		
		5%
	0.66	
$\frac{1}{2}$		
	0.8	
		76%
	1.0	

Task 2 – Go further

1. Amir says 0.3 is less than 12% because 3 is less than 12 Explain why Amir is wrong.
2. There are 60 beads in a bag. The beads are red, yellow or blue.
40% of the beads are blue.
 $\frac{5}{12}$ of the beads are red.
The rest are yellow.

Which colour is there the most of in the bag?

3. At the Redbridge School, $\frac{1}{3}$ of pupils have a pet dog, $\frac{2}{5}$ have a cat and $\frac{1}{15}$ have a hamster. The rest have no pets.
 - (a) What fraction of the children has no pet? Write this in its simplest form.
 - (b) There are 250 pupils at the Redbridge School. How many children have no pets?
 - (c) At the Bluebell School, 23% have no pets. What percentage increase of pupils at the Bluebell School have no pets compared to the Redbridge School?