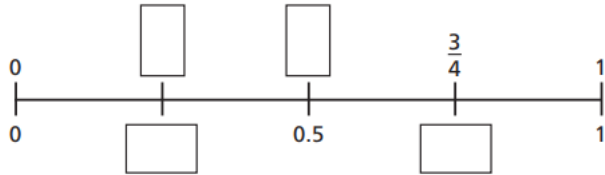


Y4 Maths 26.3.20

6 Fill in the missing fractions and decimals on the number line.



7 Complete the equivalent fractions and decimals.

a) $\frac{25}{100} = \frac{\quad}{\quad}$

e) $\frac{25}{100} = \frac{\quad}{4}$

b) $\frac{75}{100} = \frac{\quad}{\quad}$

f) $\frac{\quad}{4} = \frac{75}{100}$

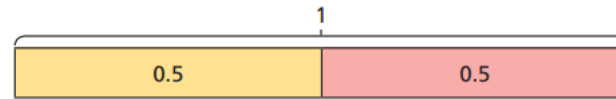
c) $\frac{1}{4} = \frac{\quad}{\quad}$

g) $\frac{\quad}{\quad} = \frac{1}{2}$

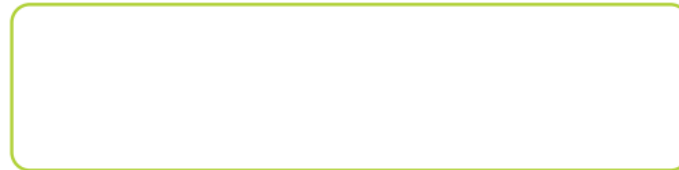
8

$0.5 + 0.5 = 1$

This bar model shows that $\frac{1}{2}$ is equivalent to 0.5



Draw a bar model to show that $\frac{1}{4}$ is equivalent to 0.25



9

Use your knowledge of equivalent fractions to convert between fractions and decimals.

a) $\frac{2}{4} = \frac{\quad}{\quad}$

d) $0.25 = \frac{\quad}{24}$

b) $\frac{5}{20} = \frac{\quad}{\quad}$

e) $\frac{\quad}{68} = 0.5$

Activities for pupils working at greater depth:

Look at the following cards:



Make up a number that is between 3 and 4.

Now create another set of cards, one with a decimal point and the other three with numbers.

Ask your friends to solve similar problems to the one you started with.

Put these numbers in the correct order, starting with the smallest.

$\frac{1}{4}$ 0.75 $\frac{5}{10^{\text{th}}}$

$\frac{3}{4}$ 0.6 0.004

$\frac{3}{10^{\text{th}}}$ 0.35 0.003

0.004 $\frac{3}{100^{\text{th}}}$ $\frac{3}{10^{\text{th}}}$

0.6 $\frac{1}{2}$ $\frac{4}{10^{\text{th}}}$

Dividing by 10 or 100

- I divide a number by 100 and the answer is 0.4. What number did I start with?
- I divide a number by 100 and the answer is $\frac{3}{4}$. What number did I start with?
- I divide a number by 10 and the answer is 0.01. What number did I start with?
- I divide a number by 10 and the answer is $\frac{7}{10^{\text{th}}}$. What number did I start with?
- I divide a number by 10 and the answer is 3.15. What number did I start with?

Two different numbers added together make 0.1. Give three examples of what the numbers could have been.

Two different numbers subtracted from each other make 0.4. Give three examples of what the numbers could have been.

Two different numbers added together make 0.04. Give three examples of what the numbers could have been.

Two different numbers subtracted from each other make 0.04. Give three examples of what the numbers could have been.