## Use equivalence to add and subtract decimals and fractions

a) Fill in the boxes on the number line.

b) Work out the calculations.

Give your answers as decimals.
You could use the number line to help you.

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$$
0.05+\frac{3}{100}=0.08 \quad 0.1-\frac{8}{100}=0.02
$$

(3)

Here are some bar models drawn above number lines

a) Write each decimal as a fraction. You could use the bar models to help you.

b) Use the number lines and your answers to part a) to work out the calculations.

Give your answers as decimals.

$$
0.1+\frac{1}{2}=0.6 \quad \frac{1}{5}+0.5=0.7 \quad 0.90-\frac{1}{4}=0.65
$$


a) Work out $0.3+\frac{3}{5}$

Give your answer as a decimal.
b) Work out $\frac{1}{6}+0.75$

Give your answer as a fraction.
(5)

Ron and Whitney are working out the calculation $\frac{3}{4}-0.2$

a) What mistake has Ron made? He has swotracted 2 hundredths not 2 tenths. 0.55
b) Convert Whitney's answer to a decimal.

6 Work out the calculations. Give your answers as decimals.
a) $0.6-\frac{1}{2}$
c) $0.65-\frac{1}{4}$

## 0.1

b) $0.7-\frac{1}{5}$
d) $\frac{9}{10}-0.25$

