

Problem solving and reasoning questions – decimals and fractions

Write three fractions which are equivalent to $\frac{3}{4}$.

Write three fractions which are equivalent to $\frac{2}{5}$.

Now add $\frac{3}{4}$ and $\frac{2}{5}$.

True or false?

- $\frac{2}{5}$ is the same as 20%
- 0.4 is the same as 4%
- 10% is the same as 0.1
- 30% is the same as $\frac{1}{3}$

Find 10% of these prices. Use that to find 20%.

(a) £14.20

(b) £1.50

(c) £99

Show that one fifth of 320 is 3 less than one third of 201.