

# Dividing Decimals

When dividing decimals, there are a couple of different methods you can use, depending on whether you're dividing by an integer or a decimal

## Dividing a decimal by an integer

 **Example** Work out  $7.11 \div 3$

When the divisor (number you're dividing by) is an integer, you can use **short division**.

**1** Set out the division:  $3 \overline{) 7.11}$

**2** Complete as usual:  $2.37$   
 $3 \overline{) 7.11} 2$

Line up the decimal points.

## Dividing by a decimal

 **Example** Work out  $8.4 \div 0.04$

**1** Write the division as a fraction:  $\frac{8.4}{0.04}$

**2** Find an equivalent fraction with an integer denominator.  $\frac{8.4}{0.04} = \frac{840}{4}$

**3** Calculate the answer to the integer division:  $840 \div 4 = 210$