



48 - Ratio and conversions

**Write ratios in form 1 : m or m : 1 and to describe a situation**

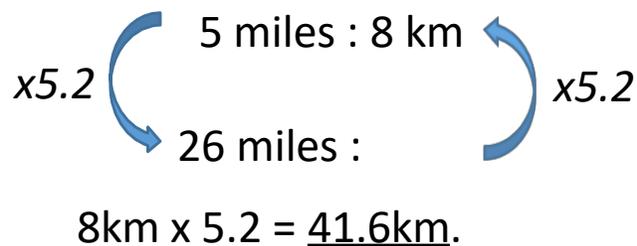
- When simplifying ratio we need to leave both parts as integers (whole numbers).
- For example if we simplify 6: 4 if we divide by 4 the answer is 1.5 : 1 **X**
- But if we divided by 2 the simplified ratio is 3 : 2 **✓**
- However it is acceptable to leave the answer as 1.5 : 1 when the question asks us to leave the answer in the form 1 : m or m : 1. Otherwise make sure both your numbers are whole numbers.

**Key conversions to learn**

|            |                 |
|------------|-----------------|
| 5 miles    | 8 kilometres    |
| 1 inch     | 2.4 centimetres |
| 1 gallon   | 3.8 litres      |
| 2.2 pounds | 1 kilogram      |

**Example**

The London marathon is 26miles. How far is this in km?



**Linked Prior Topics**

- Metric conversions
- Simplifying ratio

**Vocabulary**

- Conversions
- Ratio

**Linked Future Topics**

- Scale drawings
- Similar triangles