

Miles and Kilometres

Vocabulary

Converting – Change the form or character of something

Units – A quantity chosen as a standard e.g. a unit of measurement

Approximately - Almost, but not completely, accurate or exact

Two ways of measuring distance include miles or kilometres.

The speed signs in different countries may be in miles or kilometres depending on which measurement they decide to use.



What does this sign mean?



The sign stands for approximately as sometimes when we are converting, we may use a rounded approach rather than multiple decimal places.

For example:

5 miles  8 kilometres

8 kilometres  5 miles

5 miles



8 kilometres

If 5 miles is approximately 8 kilometres, what would the following miles be in kilometres?

10 miles



___ kilometres

15 miles



___ kilometres

Think about what 5 has been multiplied by

Convert 40 kilometres into miles

Practice:

15 miles \approx _____ km

30 miles \approx _____ km

_____ miles \approx 160 km

5 miles \approx 8 kilometres

If 10 miles is approximately 16km, how many kilometres is 1 mile?

Practice:

15 miles \approx 24 km

30 miles \approx 48 km

100 miles \approx 160 km

5 miles \approx 8 kilometres

If 10 miles is approximately 16km, how many kilometres is 1 mile?

Practice 2:

$$2 \text{ miles} \approx \underline{3.2} \text{ km}$$

$$4 \text{ miles} \approx \underline{6.4} \text{ km}$$

$$0.5 \text{ miles} \approx \underline{0.8} \text{ km}$$

5 miles \approx 8 kilometres

Why is it useful to be able to convert between miles and kilometres?

Challenge:

In the United Kingdom, the maximum speed on a motorway is 70 miles per hour (mph).

In France, the maximum speed on a motorway is 130 kilometres per hour (km/h).

Which country has the higher speed limit, and by how much?