

4 Complete the conversions.

- a) miles \approx 160 km d) 95 miles \approx km
- b) 45 miles \approx km e) 7.5 miles \approx km
- c) \approx 640 km f) 2 miles \approx km

5



If 5 miles is approximately 8 kilometres, then 10 miles is approximately 13 kilometres.

Here is Whitney's working out.

$$\begin{array}{r}
 + 5 \quad \left\{ \begin{array}{l} 5 \text{ miles} \approx 8 \text{ km} \\ 10 \text{ miles} \approx 13 \text{ km} \end{array} \right. + 5
 \end{array}$$

Explain Whitney's mistake.

6 A marathon is approximately 26.2 miles.
How far is this in kilometres?

7 The maximum speed limit on residential roads in the UK is 30 miles per hour.



In France, the maximum speed limit on residential roads is 50 kilometres per hour.

- a) Which country has the higher speed limit for these roads?
b) What is the difference between the speed limits in miles per hour?

8 Esther cycles 70 miles over 4 days.

On day 1 she cycles 14 miles.

On day 2 she cycles 32 km.

On day 4 she cycles twice as far as she does on day 3

How far does she cycle on day 4?

Give units with your answer.

9 Use a map of your local area.

Find something that is approximately:

- a) 1 mile away from your school
b) 1 km away from your school
c) 5 miles away from your school
d) 5 km away from your school

Compare answers with a partner.