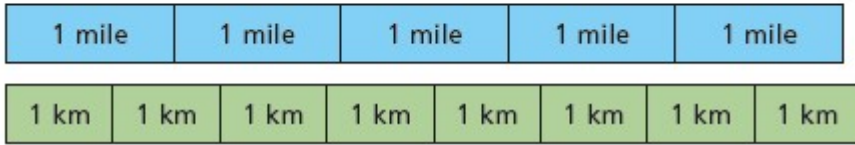


LC: Can I convert between miles and kilometres?

1 Tick the statements that are true.



Use the bar model to help you.

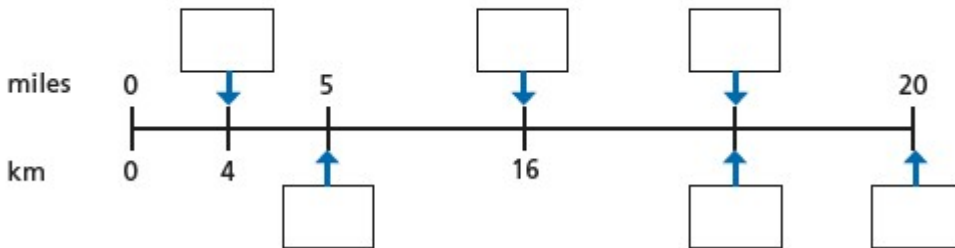


- a) 5 miles is approximately equal to 8 kilometres.
- b) 1 mile is longer than 1 kilometre.
- c) 2 kilometres is longer than 1 mile.
- d) 2 kilometres is longer than 2 miles.

3 Complete the conversions.

- 5 miles \approx kilometres
- 10 miles \approx kilometres
- 15 miles \approx kilometres
- miles \approx 16 kilometres
- mile \approx 1.6 kilometres
- miles \approx 0.8 kilometres
- miles \approx 160 km
- 45 miles \approx km
- 95 miles \approx km

2 Fill in the missing numbers on the number line.



4



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

$$\begin{array}{l}
 +5 \curvearrowright 5 \text{ miles} \approx 8 \text{ km} \\
 10 \text{ miles} \approx 13 \text{ km} \curvearrowleft +5
 \end{array}$$

Whitney has made a statement and shown her working out. Explain where she went wrong.

5



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

- a) Which country has the higher speed limit?

- b) What is the difference between the speed limits in miles per hour?



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



Ordnance Survey map provided.
2 km is approximately 2 squares on the grid.

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
