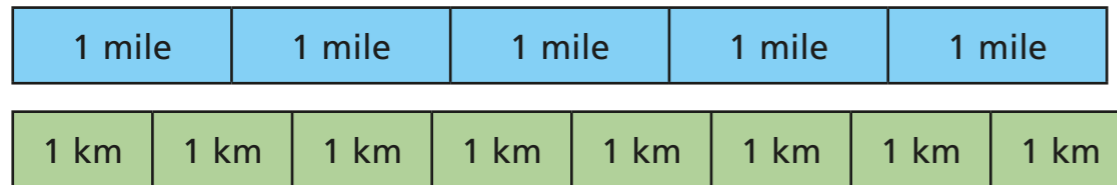


# Miles and kilometres

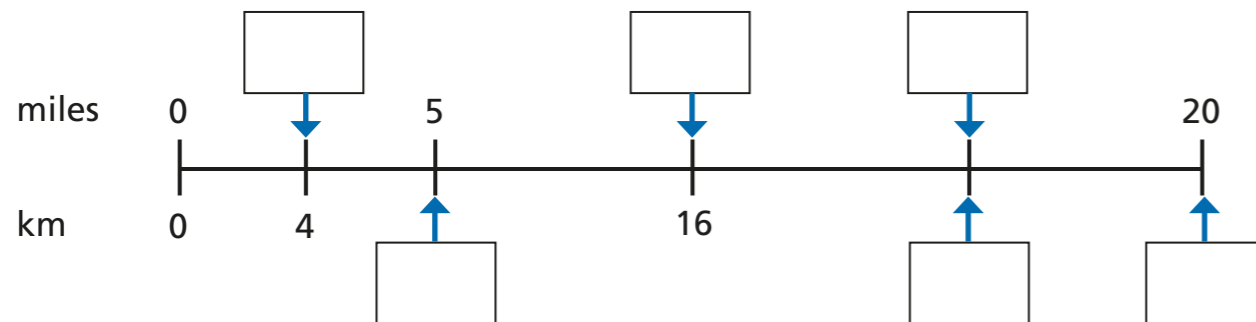
1 Tick the statements that are true.

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.

2 Fill in the missing numbers on the number line.



3 Complete the conversions.

- |   |  |
|---|--|
| a) 5 miles ≈ <input style="width: 40px;" type="text"/> kilometres | b) <input style="width: 40px;" type="text"/> miles ≈ 16 kilometres |
| 10 miles ≈ <input style="width: 40px;" type="text"/> kilometres   | <input style="width: 40px;" type="text"/> mile ≈ 1.6 kilometres    |
| 15 miles ≈ <input style="width: 40px;" type="text"/> kilometres   | <input style="width: 40px;" type="text"/> miles ≈ 0.8 kilometres   |

4 Complete the conversions.

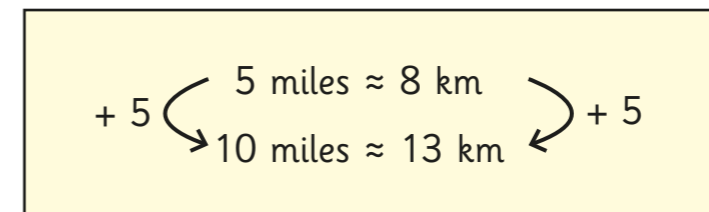
- |   |   |
|---|---|
| a) <input style="width: 40px;" type="text"/> miles ≈ 160 km | d) 95 miles ≈ <input style="width: 40px;" type="text"/> km  |
| b) 45 miles ≈ <input style="width: 40px;" type="text"/> km  | e) 7.5 miles ≈ <input style="width: 40px;" type="text"/> km |
| c) <input style="width: 40px;" type="text"/> ≈ 640 km       | f) 2 miles ≈ <input style="width: 40px;" type="text"/> km   |

5



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

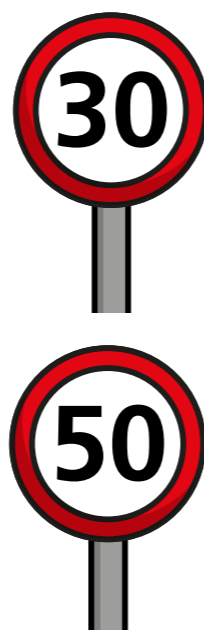
Here is Whitney's working out.



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.

