Miles and kilometres

1 Decide which of the statements are true.

Use the bar model to help you.

1 mile	1 mile	1 mile	1 mile	1 mile

1 km	1 km	1 km	1 km	1 km	1 km	1 km	1 km

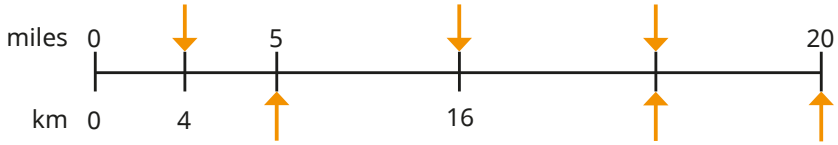
5 miles is approximately equal to 8 kilometres.

1 mile is longer than 1 kilometre.

2 kilometres is longer than 1 mile.

2 kilometres is longer than 2 miles.

2 What measurements are the arrows pointing to?



3 Complete the conversions.

a) 5 miles ≈ ☐ kilometres

10 miles ≈ ☐ kilometres

15 miles ≈ ☐ kilometres

b) ☐ miles ≈ 16 kilometres

☐ mile ≈ 1.6 kilometres

☐ miles ≈ 0.8 kilometres

4 Complete the conversions.

a) ☐ miles ≈ 160 km

b) 45 miles ≈ ☐ km

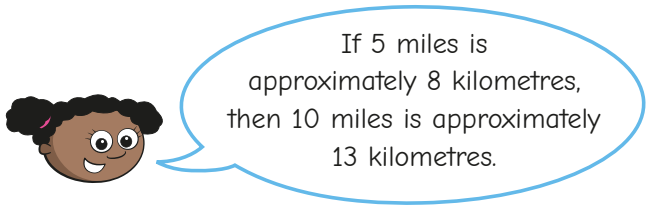
c) ☐ miles ≈ 640 km

d) 95 miles ≈ ☐ km

e) 7.5 miles ≈ ☐ km

f) 2 miles ≈ ☐ km

5 Whitney is converting between miles and kilometres.



Here are Whitney's workings.

+ 5 (5 miles ≈ 8 km / 10 miles ≈ 13 km) + 5

Explain Whitney's mistake.

6 A marathon is approximately 26.2 miles.

How far is this in kilometres?

4 Complete the conversions.

a) ☐ miles ≈ 160 km

b) 45 miles ≈ ☐ km

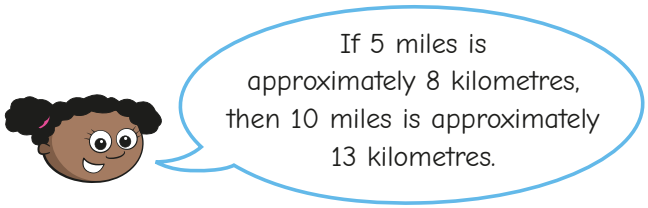
c) ☐ miles ≈ 640 km

d) 95 miles ≈ ☐ km

e) 7.5 miles ≈ ☐ km

f) 2 miles ≈ ☐ km

5 Whitney is converting between miles and kilometres.



Here are Whitney's workings.

+ 5 ↷ 5 miles ≈ 8 km
10 miles ≈ 13 km ↷ + 5

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.