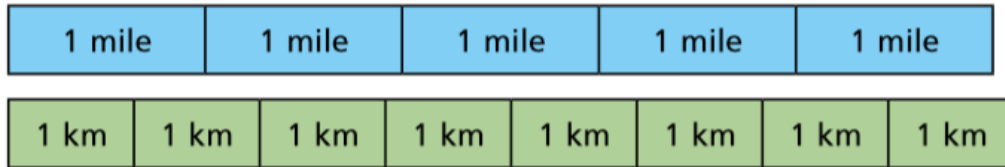


This week we are looking at different units of measure

LO: To convert between miles and kilometres (bronze)

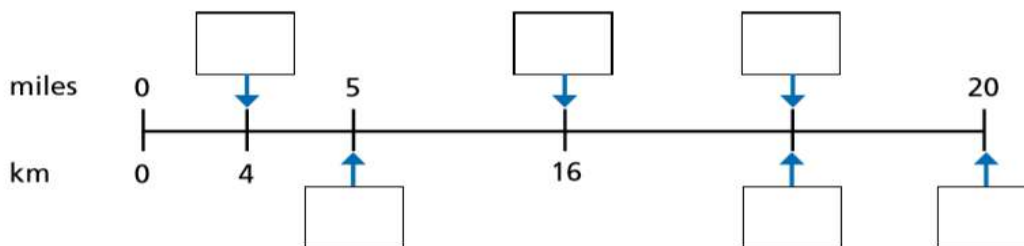
1) Tick the statements that are true.

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) **2** Fill in the missing numbers on the number line.



3) Complete the conversions.

- a) 5 miles \approx kilometres
- 10 miles \approx kilometres
- 15 miles \approx kilometres
- b) miles \approx 16 kilometres
- mile \approx 1.6 kilometres
- miles \approx 0.8 kilometres

4) Sam has planned his walk on a map.



Approximately, how far is his walk in km?

5) Freddie is planning his journey.

He wants to arrive at his destination, which is 20 miles from his starting point, by 4.30pm.

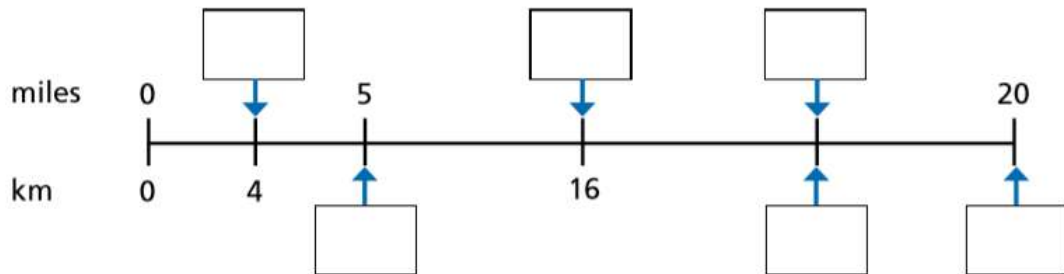
He has travelled 24km by 2.30pm.

Approximately, how many miles does he have left?

This week we are looking at different units of measure

LO: To convert between miles and kilometres (silver)

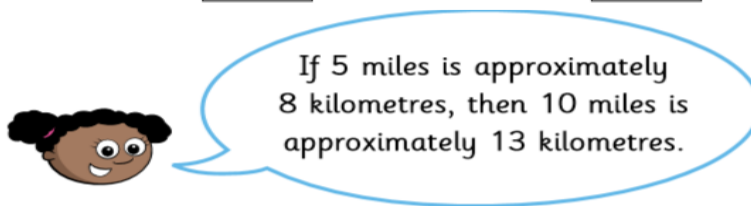
- 1) **2** Fill in the missing numbers on the number line.



- 2) Complete the conversions.

- a) 5 miles \approx kilometres b) miles \approx 16 kilometres
10 miles \approx kilometres mile \approx 1.6 kilometres
15 miles \approx kilometres miles \approx 0.8 kilometres

- 3)



Here is Whitney's working out.

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

Explain Whitney's mistake.

- 4)

A marathon is approximately 26.2 miles.

How far is this in kilometres?

- 5)

Eesa has planned his run on a map.



Approximately, how far is his run in km?

This week we are looking at different units of measure

LO: To convert between miles and kilometres (gold)

1) 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

2) 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?

3)

Esther cycles 60 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.

4)

Isaac says,



75% of 13.5 miles is equivalent to 20km.

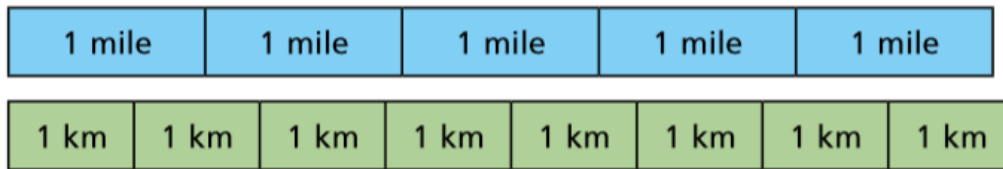
Is he correct? Explain your answer.

This week we are looking at different units of measure

LO: To convert between miles and kilometres (bronze) - answers

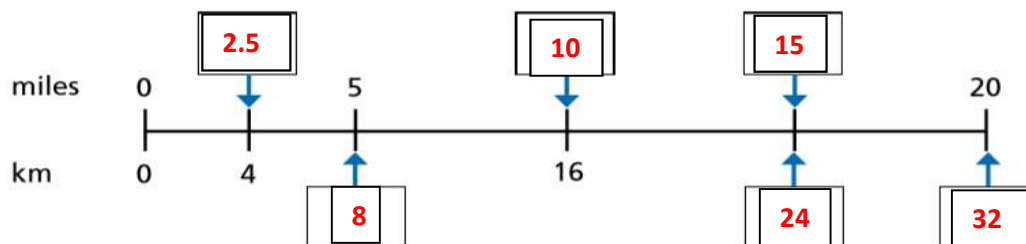
1) Tick the statements that are true.

Use the bar model to help you.



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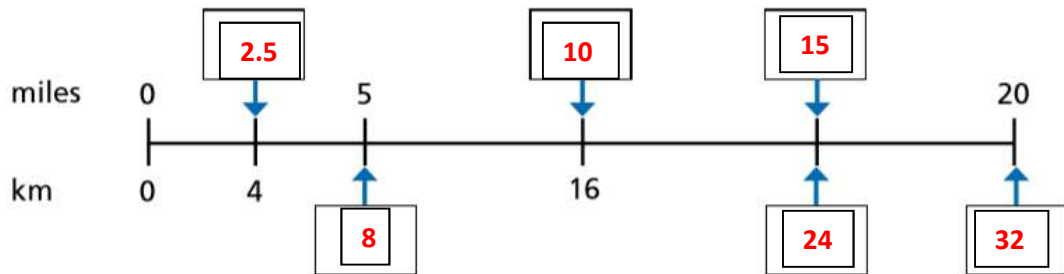
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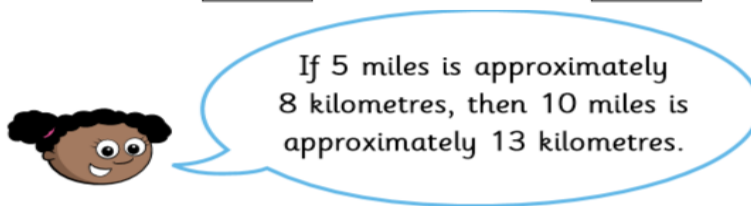
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Whitney added 5 to each side of the calculation, but she needed to multiply each side by 2.

Explain Whitney's mistake.

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