

Speed/Distance Time

Answer all of the questions. Use the formula to help you.



$$\text{Distance} = \text{Speed} \times \text{Time}$$



$$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$$



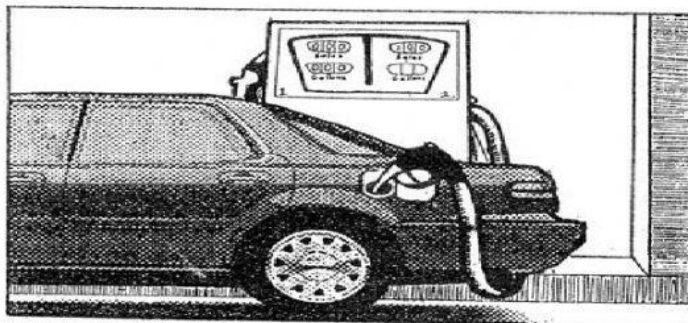
$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

1. Find the time taken to travel 225 miles at an average speed of 25mph.

2. If a car travels 160 miles for at an average speed of 30 miles per hour. How far has it gone ?

3. A car took $1\frac{1}{2}$ hours to travel 240 miles. Find the average speed.

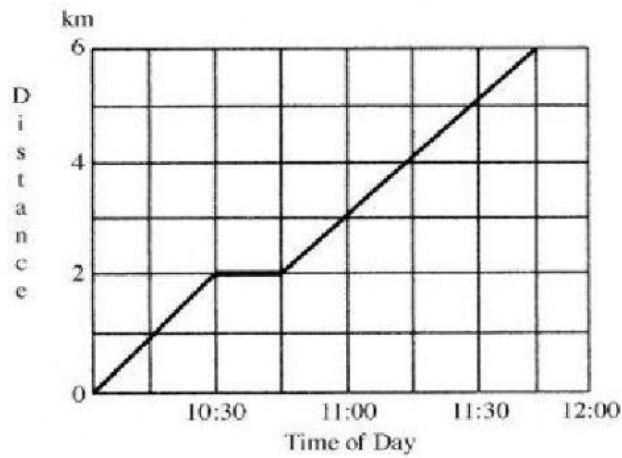
4.



A car used 9 litres of gas to travel 243 km.
How far did it travel on 1 litre of gas?

5.

Sarah left work to go to the Clinic. The graph shows her journey in km.



(a) What time did Sarah leave work? _____

(b) How far is the clinic from Sarah's workplace? _____

(c) Sarah stopped for a rest. How long did she stop? _____

(d) How far did Sarah travel before taking a rest? _____

(e) How far from the clinic was Sarah at 11:15 a.m.? _____

(f) How much further had she to walk after the rest period? _____

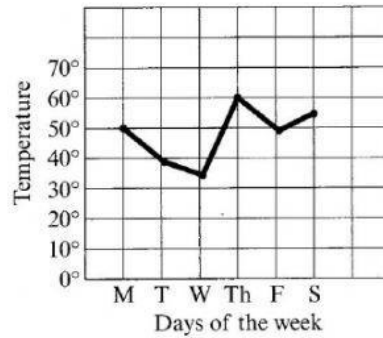
(g) What was her average speed for the journey before the rest stop? _____

6.

8

ROUGH WORK

13. Use the graph to answer the questions which follow.



- (a) On what day was the temperature 55°?

Answer: _____ [1]

- (b) On which two days was the temperature the same?

Answer: _____ [1]

- (c) What was the temperature on Tuesday?

Answer: _____ [1]

- (d) What was the highest temperature recorded that week?

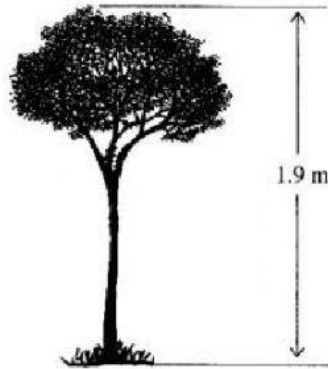
Answer: _____ ° F [1]

- (e) Find the mean (average) temperature for the 6 days.

Answer: _____ ° F [2]

7.

17.



From the diagram,

- (a) write down the height of the tree as a mixed fraction.

Answer _____

Last year, it was 1.75m tall.

- (b) How many metres taller is it in the diagram?

Answer _____