Speed/Distance Time

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

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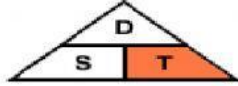
$$Time = \frac{Distance}{Speed}$$

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

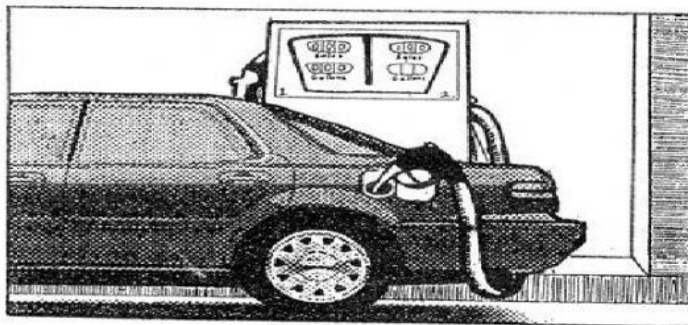1. Find the time taken to travel 225miles at an average speed of 25mph.

    _____

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.

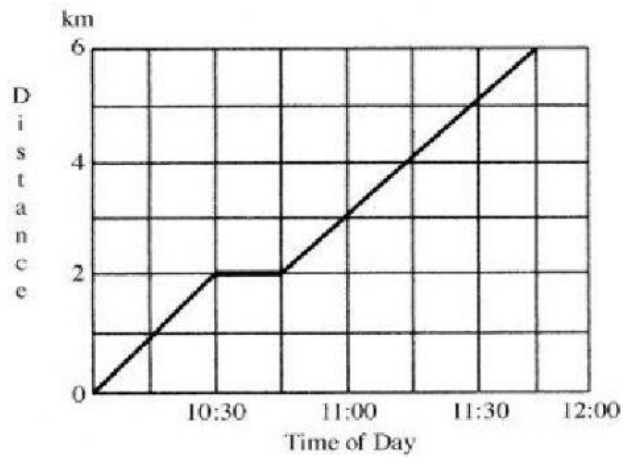
A car used 9 litres of gas to travel 243 km.
How far did it travel on 1 litre of gas?

    _____

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.

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

Temperature
70°
60°
50°
40°
30°
20°
10°
0°
M T W Th F S
Days of the week

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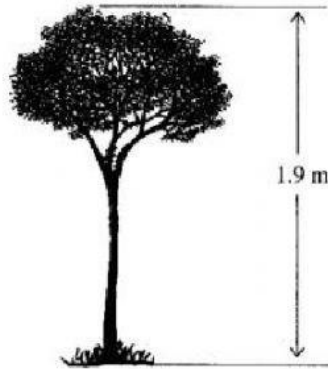
(d) What was the highest temperature recorded that week?

    Answer: _____ ° F [1]

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

    Answer: _____ ° F [2]

7.

1.9 m

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 _____