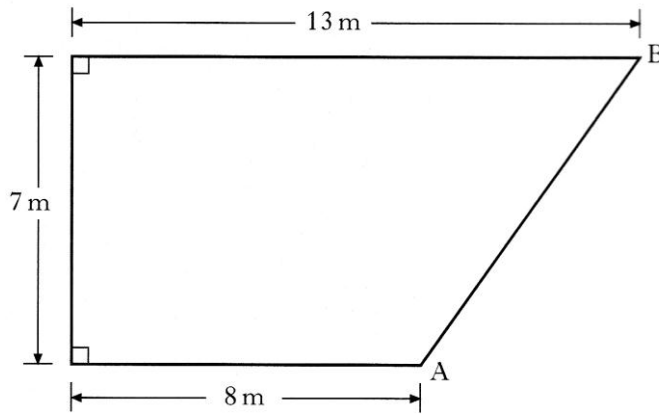


4. The diagram below shows the shape of Sangita’s garden.
Sangita plants a hedge along side AB.



Calculate the length of the hedge.

5. a) Remove the brackets and simplify.

$$5 + 3(2x - 5)$$

- b) Solve the inequality

$$3x - 5 \geq 13$$

6. The sponsors of the Champions league have given £900 000 to be shared among the four competing teams.

The league table is shown below.

The teams share the money in the ratio of the **points** they gain.

How much is **United’s** share of the money ?

	Played	Won	Lost	Drawn	Points
Inter	3	3	0	0	9
Athletic	3	2	1	0	6
United	3	1	2	0	3
Red Star	3	0	3	0	0

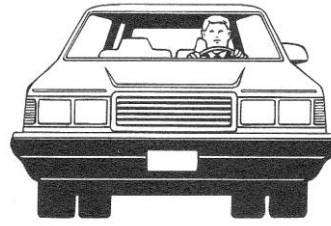
KU	RE
	4
	2
	2
	4

9. Serge drives from his home in Paris to Madrid, a journey of 1280 kilometres.

His car has a 60 litre petrol tank and travels 13 kilometres per litre.

Serge starts his journey with a full tank of petrol.

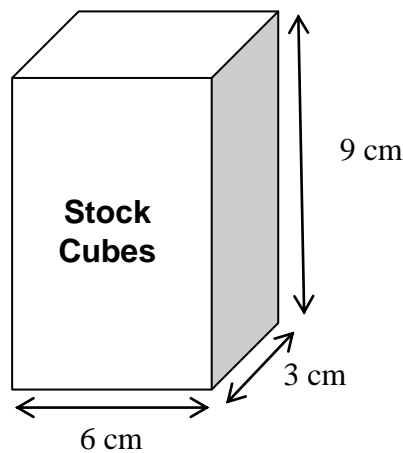
What is the least number of times he has to stop to refuel?



10. a) The edge of a stock cube measures 1.5 centimetres. Calculate the volume of the stock cube.



- b) A number of the above stock cubes are packed into a cuboid box. The box is 6 centimetres long, 3 centimetres broad and 9 centimetres high.



How many stock cubes are needed to fill the box ?

KU	RE
	3
1	
	3

