

- 1) Complete these conversions.

$$\frac{1}{4} \text{ km} = \text{_____ metres}$$

$$12 \text{ cm} = \text{_____ mm}$$

$$0.75 \text{ metres} = \text{_____ cm}$$

$$76 \text{ 000 mm} = \text{_____ metres}$$

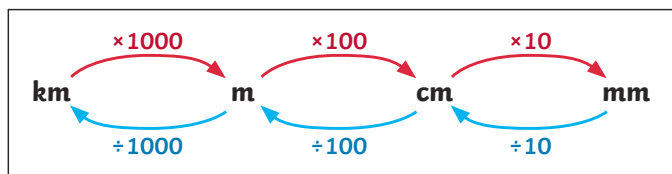
- 2) Complete the missing parts of these converted and partitioned lengths.

$$8500 \text{ metres} = 8 \text{ km} + \text{_____ km}$$

$$240 \text{ cm} = 2 \text{ metres} + \text{_____ metres}$$

$$180 \text{ mm} = 10 \text{ cm} + \text{_____ cm}$$

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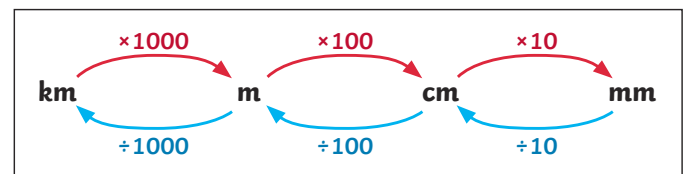
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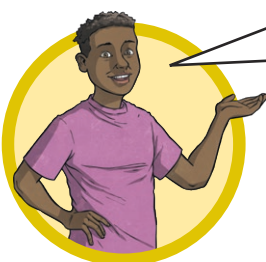
- 1) Grace is playing with her toy cars. She puts them in a line. Each car is 86mm in length and the total length of the line is 0.86m.



I have 100 toy cars in my line.

Is Grace correct? Explain your answer fully.

- 2) The shop sells wood in metre lengths. Owen needs 2550cm of wood to build a tree house.



I need to buy 26 metres of wood for the tree house.



Do you agree with his statement? Explain why.

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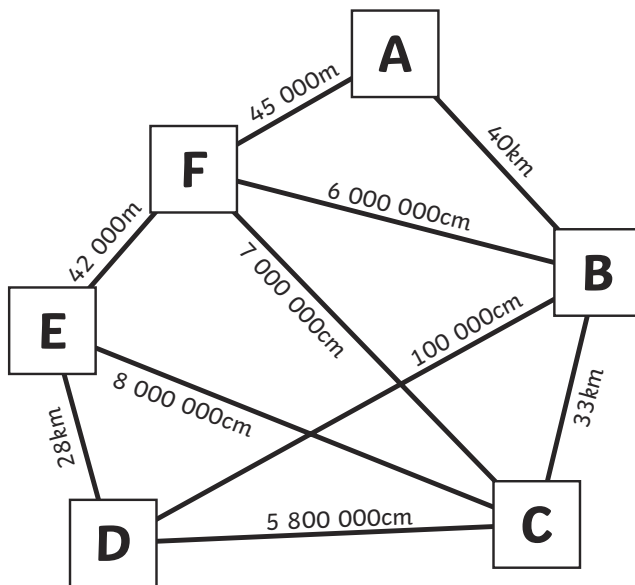
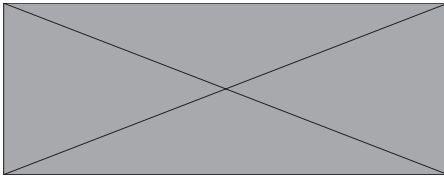
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Passengers can travel between six holiday islands using this aeroplane service.



The small aeroplane travels from island A back to island A. It visits each of the other islands only once and must travel to island B first.

There are three possible routes the aeroplane can fly.



Find the distances of the possible aeroplane routes.

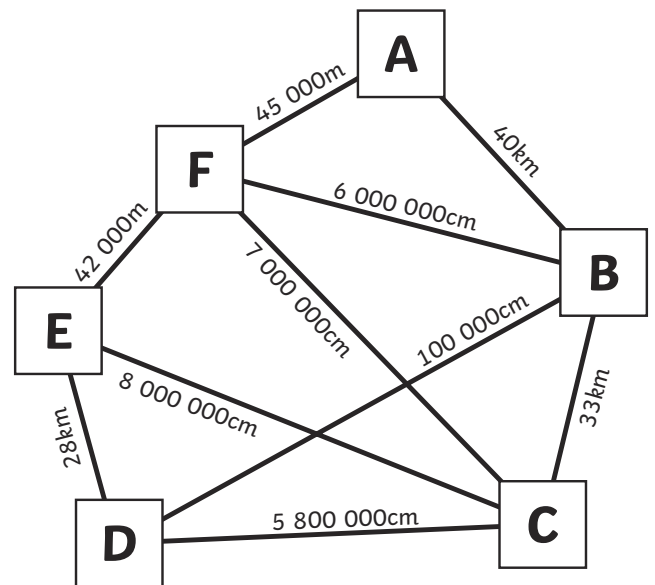
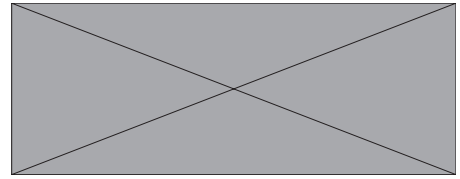
- 1) What is the distance of the shortest route in metres?
- 2) What is the distance of the longest route in kilometres?
- 3) In centimetres, what is the difference between the middle and longest routes?

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