

Name : _____

Scale Factors

L1S3

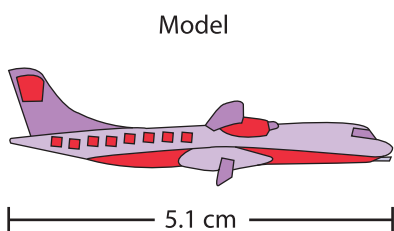
- 1) Daphne, an architect, creates a blue print for a shopping centre with a scale factor of $1 \text{ cm} = 0.6 \text{ m}$. If the actual width of a parking bay is 2.4 m , find its width in the blue print.

- 2) Camilla designed a festive birthday banner measuring 5 cm on her laptop. She sends a copy of it to a digital printing company which used a scale factor of $1 \text{ m} = 0.25 \text{ cm}$ to enlarge the image. Determine the length of the printed banner.

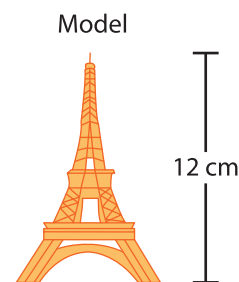
- 3) Rick used a scale factor of $1 \text{ cm} = 10 \text{ m}$ to draw a model of a truck. The actual length of the truck was 50 m .

- 4) Beth planned to travel from London to Paris via route A4 and A3211. The distance between the two cities is 200 km . If the scale factor used for the map was $1 \text{ cm} = 100 \text{ km}$, how far would she travel on the map between the two attractions.

- 5) A model of an aircraft is 5.1 cm long. The actual length of the aircraft is 27 m . Find the scale factor used for the model.



Actual length of an aircraft = _____



Actual height of the Eiffel Tower = _____

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