

Name : _____

Scale Factors

L1S3

- 1) Daphne, an architect, creates a blue print for a strip mall with a scale factor of 1 foot = 0.8 inch. If the actual width of a parking bay is 8 feet, find its width in the blue print.

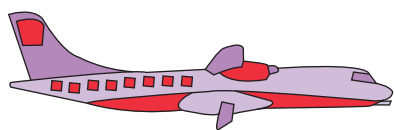
- 2) Camilla designed a festive birthday banner measuring 2 inches on her laptop. She sends a copy of it to a digital printing company which used a scale factor of 1 inch = 4 feet to enlarge the image. Determine the length of the printed banner.

- 3) Rick used a scale factor of 1 inch = 10 feet to enlarge the length of the truck in the picture to fit in his father's truck. The actual length of the truck is _____ feet.

- 4) Beth planned to travel from London to New York. The distance between the two places is 2.48 inches on the map. If the scale factor of the map was 1 mile = 0.4 inch, find the actual distance between the two places in miles.

- 5) A model of the Eiffel Tower has a height of 8 inches. The actual height of the Eiffel Tower is 132.875 feet. Find the scale factor of the model.

Model



5.9 inches

Model



8 inches

Actual length of an aircraft = _____

Actual height of the Eiffel Tower = _____