1) A cartographer creates a map of Bucks County with a scale factor of 1 inch = 2.5 miles. The distance between Quakertown and Sellersville is 2.92 inches on the map. Determine the actual distance between the two boroughs.

__________________________

2) John, an architect, used a scale factor of 1 inch = 20 feet to design a site plan. The actual car park has been designed to be 18 feet long. Determine the length of the car park as depicted in the blueprint.

__________________________

3) Lara made a scale drawing of a famous monument. She used a scale factor of 1 inch = 1.6 feet. If the height of the monument in the drawing is 17.4 inches, compute the actual height of the monument.

__________________________

4) Elijah builds a miniature model of a car based on the dimensions of a popular car. He uses a scale factor of 1 foot = 0.2 inch. Determine the length of the miniature model, if the actual car is 13.5 feet long.

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5) Scale factor : 1 inch = 3 feet

Actual height of the tree = ____________

6) Scale factor : 1 inch = 0.5 foot

Actual length of the seahorse = ____________
1) A cartographer creates a map of Bucks County with a scale factor of 1 inch = 2.5 miles. The distance between Quakertown and Sellersville is 2.92 inches on the map. Determine the actual distance between the two boroughs.

\[ \text{Actual distance} = 7.3 \text{ miles} \]

2) John, an architect, used a scale factor of 1 inch = 20 feet to design a site plan. The actual car park has been designed to be 18 feet long. Determine the length of the car park as depicted in the blueprint.

\[ \text{Length on blueprint} = 0.9 \text{ inch} \]

3) Lara made a scale drawing of a famous monument. She used a scale factor of 1 inch = 1.6 feet. If the height of the monument in the drawing is 17.4 inches, compute the actual height of the monument.

\[ \text{Actual height} = 27.84 \text{ feet} \]

4) Elijah builds a miniature model of a car based on the dimensions of a popular car. He uses a scale factor of 1 foot = 0.2 inch. Determine the length of the miniature model, if the actual car is 13.5 feet long.

\[ \text{Length of model} = 2.7 \text{ inches} \]

5) Scale factor : 1 inch = 3 feet

\[ \text{Model} \]

\[ \text{Actual height of the tree} = 45 \text{ feet} \]

6) Scale factor : 1 inch = 0.5 foot

\[ \text{Model} \]

\[ \text{Actual length of the seahorse} = 1.17 \text{ feet} \]