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.

5) Scale factor : 1 inch = 3 feet 6) Scale factor : 1 inch = 0.5 foot

Actual height of the tree  = ____________  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.

7.3 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.

0.9 inches

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.

27.84 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.

2.7 inches

5) Scale factor : 1 inch = 0.5 foot

Actual height of the tree = 45 feet
Actual length of the seahorse = 1.17 feet