1) The blue print of Vanessa's new home was drawn with a scale factor of 1 foot = 0.33 inch. The actual length of the living room was to measure 12 feet. Determine the length of the living room shown in the blueprint.

2) A toy manufacturing company produces die cast model cars of the Volkswagen Beetle using a scale factor of 1 inch = 3.6 feet. If the die cast car is 3.75 inches long, calculate the actual length of the Beetle.

3) Chloe makes a scale drawing of her school with a scale factor of 1 inch = 20 yards. Find the length of the soccer field depicted in the scale drawing, if the actual length of the field is 100 yards.

4) Alan uses a map to find the route from his home to the venue of his high school reunion. The scale factor of the map is 1 inch = 27 miles. If the distance between his home and the venue is 2.5 inches on the map, determine the actual distance between the two points.

5) Scale factor : 1 inch = 11 feet
Scale factor : 1 inch = 12.25 feet

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Actual height of the building = 3 inches
Actual length of the sailing boat = 8 inches

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1) The blueprint of Vanessa’s new home was drawn with a scale factor of 1 foot = 0.33 inch. The actual length of the living room was to measure 12 feet. Determine the length of the living room shown in the blueprint.

3.96 inches

2) A toy manufacturing company produces die cast model cars of the Volkswagen Beetle using a scale factor of 1 inch = 3.6 feet. If the die cast car is 3.75 inches long, calculate the actual length of the Beetle.

13.5 feet

3) Chloe makes a scale drawing of her school with a scale factor of 1 inch = 20 yards. Find the length of the soccer field depicted in the scale drawing, if the actual length of the field is 100 yards.

5 inches

4) Alan uses a map to find the route from his home to the venue of his high school reunion. The scale factor of the map is 1 inch = 27 miles. If the distance between his home and the venue is 2.5 inches on the map, determine the actual distance between the two points.

67.5 miles

5) Scale factor: 1 inch = 11 feet

Actual height of the building = 33 feet

Actual length of the sailing boat = 98 feet

Answer key

L1S2

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