1) Henry painted a picture of his house on canvas. The actual width of the driveway is 20 feet. If it is represented with a width of 4 inches on the canvas, what was the scale factor used?

2) The distance between Janet’s home and her office is represented on the map with a scale factor of 1 inch = 5.6 miles. If the distance between the two locations on the map is 3 inches, calculate the actual distance between her home and the office.

3) At the museum, Melanie sat down to draw a dinosaur exhibit to scale. The height of the dinosaur in the drawing is 3.75 inches and the actual height of the exhibit is 15 feet. What scale factor did Melanie use to sketch the dinosaur?

4) Roger designs a floor plan for a house that is drawn with a scale factor of 1 foot = 0.2 inch. Calculate the actual width of the family room, if it measures 2.4 inches in the blueprint.

5) Louise stops at the gift store to buy a souvenir of the Statue of Liberty. The original height of the statue is 151 feet. If a scale factor of 1 inch = 20 feet is used to design the souvenir, what is the height of the replica?
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1 inch = 5 feet

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7.55 inches