

Name : \_\_\_\_\_

## Scale Factors

L1S2

- 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.

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- 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.

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- 3) Chloe makes a scale drawing of a soccer field. The length of the soccer field is 100 yards. The length of the field in the drawing is 20 yards. Find the scale factor of the drawing.

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- 4) Alan uses a map to find the distance between his home and the venue for his high school reunion. The distance on the map is 2.5 inches. The actual distance is 12.5 miles. Find the scale factor of the map.

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- 5) A scale drawing of a building has a height of 12.25 feet. The actual height of the building is 100 feet. Find the scale factor of the drawing.

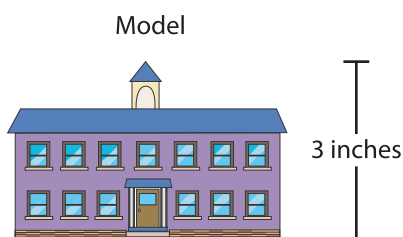
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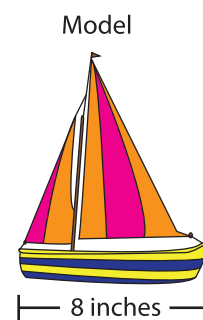
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Actual height of the building = \_\_\_\_\_



Actual length of the sailing boat = \_\_\_\_\_