

Name : _____

Scale Factors

L2S4

- 1) Timothy creates a model of planet Earth with a circumference of 50 inches for his science project. He uses a scale factor of 1 inch = 498.02 miles to make the model. Determine the actual circumference of the Earth.

- 2) Layla builds a dollhouse based on the original dimensions of her house. She uses a scale factor of 1 inch = 0.7 foot to build it. If the dollhouse stands 19.6 inches high, find the actual height of Layla's house.

- 3) Myra visited a skyscraper that means she took a crystal souvenir of the skyscraper that means she took a memento.

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- 4) The actual length of a model car is 1 inch = 3.2 feet to represent the actual length of the car.

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scale factor of length of the model car.

- 5) Nicole made a scale drawing of her school and depicted the sandbox with a width of 4.5 inches. If the actual sandbox was 9 feet wide, determine the scale factor that was used in the drawing.
