

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 made a memento.

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

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It was used to design the

scale factor of length of the model car.

Name : _____

Answer key

Scale Factors

L254

- 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.

24,901 miles

- 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.

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- 3) Myra visited a skyscraper that made a memento.

it a crystal souvenir of the was used to design the

- 4) The actual length of _____
- 1 inch = 3.2 feet to r

scale factor of length of the model car.

4.575 inches

- 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.

1 inch = 2 feet