

Name : _____

Scale Factors

L2S5

- 1) As a part of her project, Flora made a scale drawing of the zoo with a scale factor of 1 inch = 5.77 feet. If the diameter of the bug carousel in the drawing was 3 inches, determine the actual diameter of the carousel.

- 2) Nick and Jamie are on the way to Oxford to attend a conference. The actual distance from their start point to their venue is 7.5 miles. The same distance is 5 inches on the map. Determine the scale factor used to

- 3) Douglas uses a map to find the distance between the art museum and the beach. The scale factor is 1 inch = 13.6 miles, and the distance on the map is 3 inches.

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distance between the art museum and the beach? Determine the actual distance.

- 4) Howard, an urban planner, used a scale factor of 1 inch = 100 feet to design a site plan. The actual width of the site is 1000 feet. How wide was the site plan?



The site plan measured 48 inches. Determine the actual width of the site.

- 5) The central chamber of the Lincoln memorial features a statue of Abraham Lincoln that stands 19 feet high. A scale factor of 1 inch = 4 feet is used to make a miniature model. Determine the height of the model.
