

Name : _____

Scale Factors

L2S2

- 1) Mary and Kate picked up a map of the zoo at the main entrance. The actual distance between the entry point and the Avian Center was 2.3 miles. The distance on the map was 9.2 inches. Determine the scale factor that was used to design the map.

- 2) Fiona used a scale factor of 1 foot = 0.8 inch to make a scale drawing of a park in the neighborhood. She drew a slide that was 6 inches long. Find the actual length of the slide.

- 3) A theme park in Washington Monument stands 564 feet tall. The Washington Monument is scaled down to 1 inch = 64.5 feet, determine the scale factor used.

- 4) Amanda and her friend went to a nearby waterfall. The actual distance from the parking lot to the waterfall was 178 feet. The distance on the map was 2.75 inches. Determine the scale factor used.

- 5) Isabel built a miniature house with dominoes based on the actual dimensions of her house. She used a scale factor of 1 inch = 1.55 feet and her miniature house measured 16.8 inches in height. Find the original height of the house.

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Name : _____

Answer key

Scale Factors

L252

- 1) Mary and Kate picked up a map of the zoo at the main entrance. The actual distance between the entry point and the Avian Center was 2.3 miles. The distance on the map was 9.2 inches. Determine the scale factor that was used to design the map.

1 inch = 0.25 mile

- 2) Fiona used a scale factor of 1 foot = 0.8 inch to make a scale drawing of a park in the neighborhood. She drew a slide that was 6 inches long. Find the actual length of the slide.

- 3) A theme park in Washington Monument stands 564 feet tall. The scale drawing of the monument is 8.8 inches tall. Find the scale factor used to create the drawing. The Washington Monument stands 564 feet tall. The scale drawing of the monument is 8.8 inches tall. Find the scale factor used to create the drawing.

- 4) Amanda and her friend went to a nearby waterfall. The actual distance from the parking lot to the waterfall is 178 miles. The distance on the map is 3.56 inches. Find the scale factor used to create the map.

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1 inch = 0.5 mile

- 5) Isabel built a miniature house with dominoes based on the actual dimensions of her house. She used a scale factor of 1 inch = 1.55 feet and her miniature house measured 16.8 inches in height. Find the original height of the house.

26.04 feet