

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

## Scale Factors

L1S5

- 1) The action figure toys of a multinational toy company are based on the usual ideal human figure of 6 feet for standardization purpose. If a common scale factor of 1 inch = 2 feet is applied, determine the height of an action figure toy.

\_\_\_\_\_

- 2) Fabian makes a scale drawing of his tree house with a scale factor of 1 foot = 0.44 inch. If the length of the tree house in the drawing is 3.52 inches, what is the actual length of the tree house?

\_\_\_\_\_

- 3) The distance between two cities on an interactive map is 4 inches. If the actual distance between the two cities is 64 miles, calculate the actual distance between the two cities. Boston Marathon is 4 inches on the map. The actual distance of the Boston Marathon is 26.2 miles. Use the scale to design the map, calculate the actual distance of the marathon.

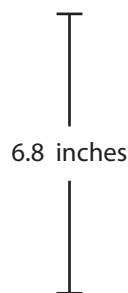
\_\_\_\_\_

- 4) The captain of the ship planned to sail from one marina to another. On the map, the same distance is depicted on the map as 4 inches. The actual distance between the two marinas is 69 nautical miles. On the map, the distance between the two marinas is 4 inches. Find the distance between the two marinas. He planned to sail from one marina to another. On the map, the same distance is depicted on the map as 4 inches. Find the distance between the two marinas.

\_\_\_\_\_

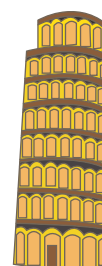
- 5) Scale factor : 1 inch = 19 feet

Model



Actual height of the tree = \_\_\_\_\_

Model



Actual height of the Leaning Tower of Pisa = \_\_\_\_\_

**PREVIEW**  
Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)