

Calculating Scale Factor

Ex. The diameter of an animal cell is actually 0.25 mm. If the diameter of the animal cell is drawn as 3.5 cm, what scale factor was used to draw the scale diagram?





The new dimensions are lonx 2.5 cm.

Ex. The distance between two cities on a map is 5.4 cm. The map was made using a scale of 1 cm to 300 km. What is the actual distance between the two cities?



Ex. A diagram of the rectangle below has a scale factor of 1:2. What are the new dimensions for the rectangle?

