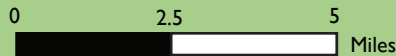


Using Scale Bars

Ways to Represent Scale

Graphic Scale



You can use the scale bar to measure distances on the map.

Verbal Scale

1 centimeter equals 1,000 meters

You can use a ruler to measure distances on the map and then multiply the distance by 1,000 to find out the distance on the ground.

Representative Fraction

1:100,000

This ratio tells you that one unit (inch, centimeter, meter, etc.) on the map is equal to 100,000 of the same units on the ground. So if you found a distance of 5 centimeters on the map, you would know that it is equal to 500,000 centimeters on the ground.

Using the map scale to measure from Portland, OR to Denver, CO:

1. Put a piece of paper on the map to connect Portland and Denver
2. Draw marks on the paper where the dots are
3. Place the paper under the map scale and determine how many miles it is from Portland to Denver

