

Scale Worksheet 1

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Intro to Drafting Technologies

Measurement

An important property of a **map** is the **scale**. It can be indicated by a scale bar and/or a **ratio** 1:n. This enables the map user to measure a distance on the map and determine the distance on the ground. Maps are usually produced at standard scale factors of (say) 1:10,000 or 1:50,000 or 1:100,000 and all you need to do is take a measurement on the map and multiply that figure by the scale factor to determine the distance on the ground.

Scale is usually done in metric or imperial units

Scale is simply a **ratio** or a value calculated by **dividing** one number by another. Five divided by two gives a "ratio" of 2.5. (More accurately, this gives a ratio of 2.5:1

Below is a map of Oregon. Use it to answer the following questions.

