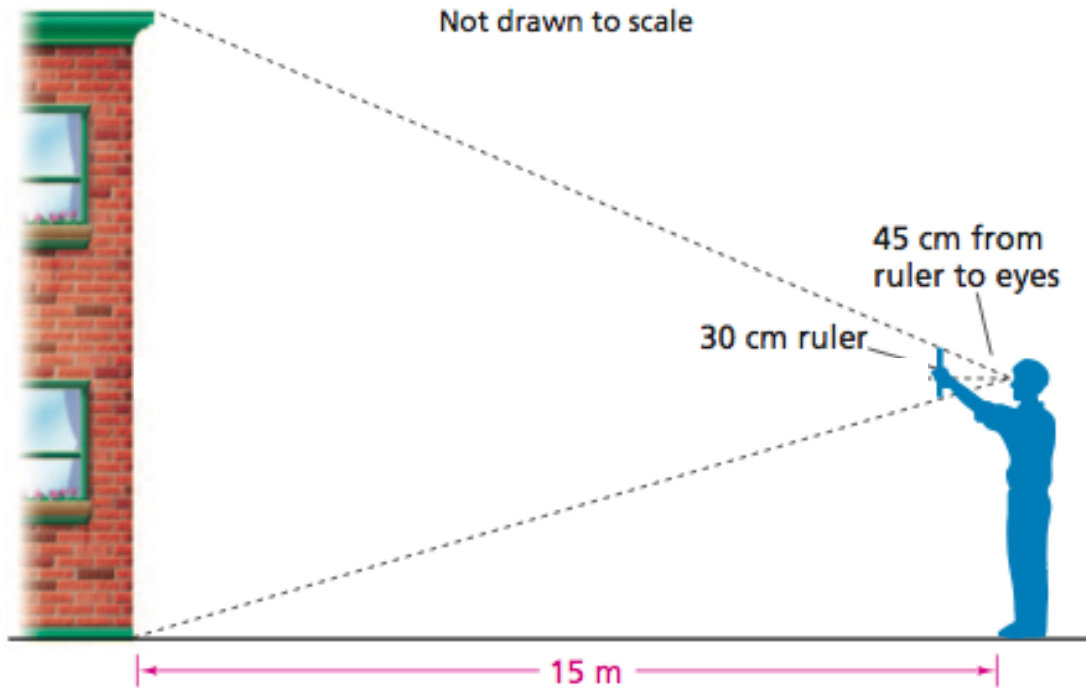


The Ruler as Hypsometer Method

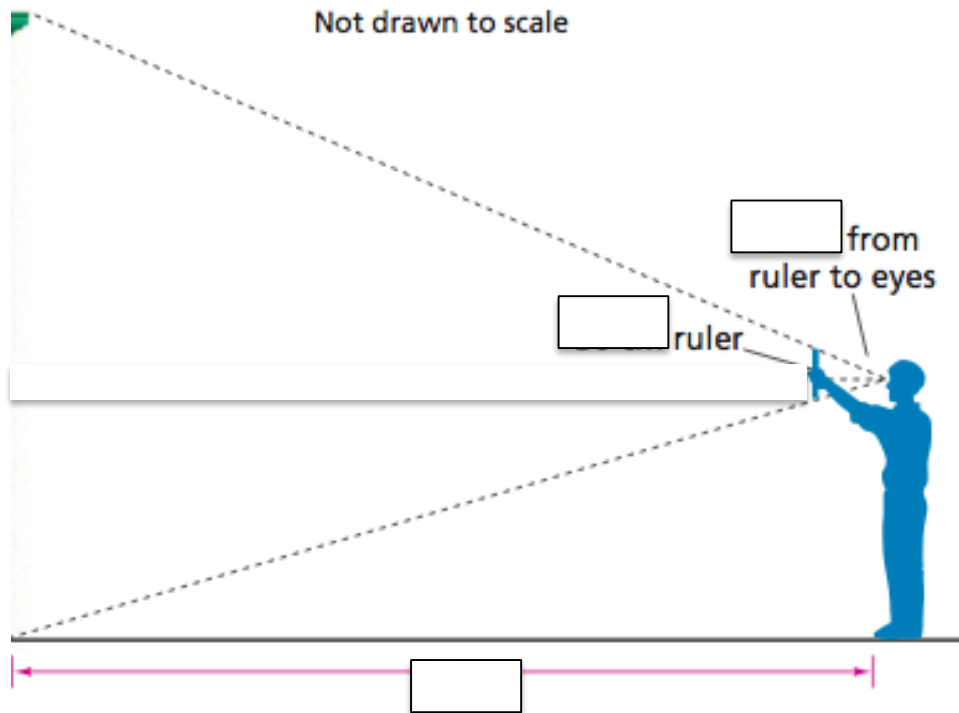


In this method you wish to determine the height of an object, such as the building in the picture above. You use a ruler, as indicated in the picture. You measure the length of the ruler, how far the ruler is from your eye, and how far you are from what the object whose height you wish to determine.

The lengths listed in the picture above are just for illustration purposes. The lengths you get when you use this method do not need to be the same.

Question. Once you know your measurements, how do you determine the height of the building?

Object your group is measuring:



When your group has determined the height of your object using the hypsometer method, measure the real height of your object. Was your answer close to the actual height? If it wasn't exact, why do you think it is not exact?

Object height using the Hypsometer method: _____

Actual measurement (using a measuring tape): _____