

1. Use the angle and the length of the string.
2. Use the angle and the distance along the floor.
3. Use  $l$  and  $f$  to compute  $\theta$ . Determine your height using the calculated  $\theta$  and  $f$ .
4. Use the Pythagorean theorem.
5. Using the height you obtained in Procedure Step 4 as the most accurate value, compute the percent error in your answers for 1-4 above.

**Interpretation**

1. What are some possible sources of error in the indirect method of measurement?

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2. List some applications of the indirect method of measuring height.

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