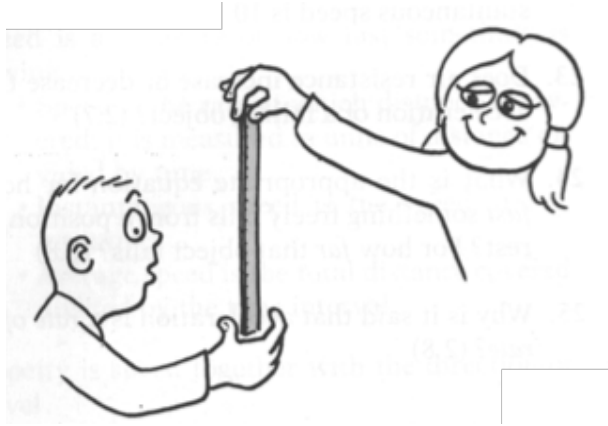


## EXCEEDS OPPORTUNITY:

### Measure your reaction time.

Turn in your measurement and calculations on a piece of scrap paper.

1. Have someone hold a ruler as shown.  
Make sure your fingers are even with the bottom of the ruler.



*Idea and drawing credit: Paul Hewitt, Conceptual Physics.*

2. When the other person drops the ruler, grab it as quickly as you can. FOR A FAIR TEST, DO NOT GRAB EARLY.
3. Measure the number of centimeters that dropped before you grabbed it.
4. Convert those centimeters to meters (move the decimal place two places to the left. For example: 9 cm would be 0.09 m.)
5. Use the distance equation to calculate your reaction time.