4-5 Indirect Measurement pgs. 318 - 324

Materials needed: Must bring book pages to class, tape measure, a marker, a pocket mirror, paper and pencil (to record data).











If you don't have time to go outside, try this problem.

Stacey wants to try the mirror method to measure the height of one of her trees . She calculates that the distance between her and the mirror is 3 feet and the distance between the mirror and the tree is 18 feet . Stacey's eye height is 60 inches . Draw a diagram of this situation . Then, calculate the height of this tree .





pg. 3	323
	c. Calculate the distance from your friend's starting point to your side of the creek . Round your answer to the nearest tenth, if necessary.
	d. What is the width of the creek? Explain your reasoning.





## October 21, 2013

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More practice (optional)	
Keisha is visiting a museum. She wants to know the height of one of the sculptures. She places a small mirror on the ground between herself and the sculpture, then she backs up until she can see to to of the sculpture in the mirror. $\int \frac{1}{192 \text{ ft}} \int \frac{1}{132 \text{ ft}} \int 1$	
More practice (optional)	
Micah wants to know the height of his school. He places a small mirror on the ground between himself and the school, then he backs up until he can see the highest point of the school in the mirror. $\frac{1}{93.5 \text{ ft}} = \frac{12.75 \text{ ft}}{12.75 \text{ ft}}$ What is the height of Micah's school?	