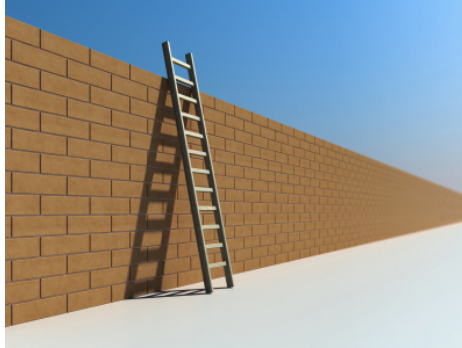
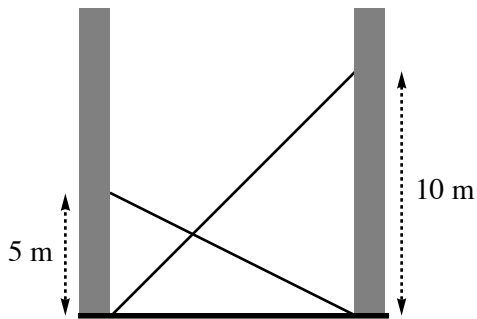


5. Ladder Crossing

First & Last Name: _____ Class: _____



This picture below shows two ladders propped against two facing walls. The end of the first ladder is 10 meters above the base of the second wall and the end of the second ladder is 5 meters above the base of first wall. At what height do the ladders cross? Note: The diagram is not drawn to scale!



Challenge

Suppose the first ladder meets the wall at a height of a meters and the second ladder meets the wall at a height of b meters, as shown below. At what height do the ladders cross now?

