


What Does Magnification Mean?

1. Examine your school microscope. What are the possible magnifications?

Power	Eyepiece	Objective	Total Magnification
Low			
Medium			
High			

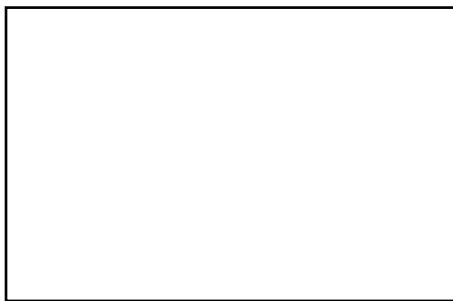
Eyepiece Magnification	Objective Magnification	Total Magnification
10x	4x	
10x	20x	
5x	12x	
15x	40x	

2. Calculate the total magnifications for the following microscope lenses:

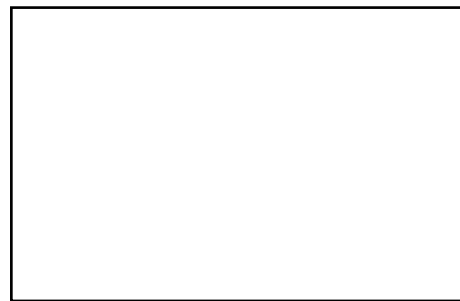
3. Here is a small object. 



- a. How much bigger do you think it would look under a microscope with a 2x eyepiece and a 3x objective? Write your prediction below.



- b. Draw the object as it would look if magnified 2x. Use a ruler to double its diameter.



- c. Now draw what your *drawing* in 3b would look like magnified 3x. Use a ruler to triple its diameter.