Microscope Calculations

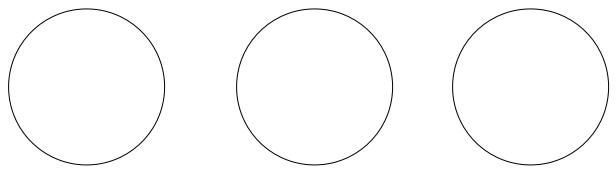
Complete the following table:

Lens	Magnification	Total	Field Diameter	Field Diameter
ocular	10X	Magnification	(mm)	(μm)
low power	4X			
medium power				
high power				

****Note: as the magnification increases, the diameter of the field of view decreases proportionally

Field of View (FOV)

An object will look much different when seen through the ocular at each magnification



Low Power

Medium Power

High Power

Calculating the Size of a Specimen

It is possible to determine the approximate size of a specimen (its length or width) if you know the diameter of the field of view.

Actual size = <u>Diameter of FOV</u> # of specimens that fit across FOV