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1. Orient your ocular with the eyepiece reticle so specimen is aligned with appropriate markings

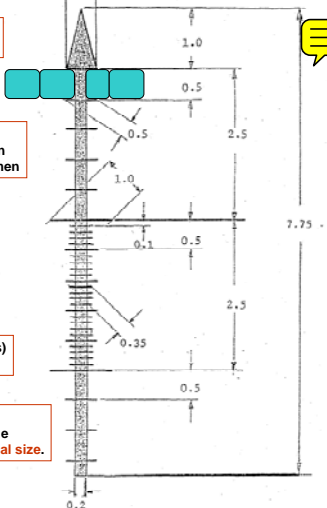
2. Estimate the width of the specimen in Pointmaster (pm) units. (e.g. 0.5 pm units)

3. To convert Pointmaster units (dimensionless) to millimeters, divide pm units by the magnification of the objective lens being used to view the specimen


EXAMPLE: Determining the size of an object having the length of the pointmaster arrowhead. (1.0 pointmaster "pm" scale)			
Mag.	pm scale	Divide by	mm.
4x	1.0	4	0.25
10x	1.0	10	0.1
40x	1.0	40	0.025

4. Convert millimeters (10^{-3} m) to μ meters (microns) (10^{-6} m) and record your estimate of **actual size**.

5. Finally, determine the **magnification**, or number of times larger you have represented the organism in your drawing compared to the **actual size**.

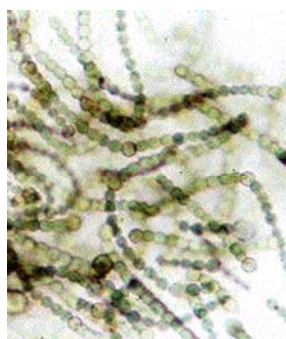


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Anabaena

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Nostoc
