

Biology Formulae:

Total Magnification Formula:

$$\textit{Total Magnification} = (\textit{Objective Lens}) \times (\textit{Ocular Lens})$$

Field of view (FOV) Conversion Formula:

$$\frac{\textit{low power diameter} \times \textit{magnification of low power objective}}{\textit{magnification of medium or high power objective}} = \textit{medium or high power diameter}$$

Magnification Formula:

$$\textit{Drawing size} = (\textit{Actual size}) \times (\textit{Magnification})$$