Calculating the microscope field of view on other magnifications

\[
\frac{\text{Total magnification of Low Power}}{\text{Field of view on another Power}} = \frac{\text{Field of view on Low Power}}{\text{Total magnification on the other Power}}
\]

**EXAMPLE:**

If at 40X, on Low Power, the Field of view (FOV) is 2000 um calculate the Field of view under 100X.

\[
\frac{40X}{?} = \frac{2000um}{100X}
\]

\[
\frac{40X (2000um)}{?} = \frac{80000}{100X}
\]

\[
80000 = ? \quad \text{i.e.} \quad \text{Field of view under 100X}
\]