

## Microscopes & Magnification

Field of view is the diameter of the circle you can see when looking down the microscope lens.

Set up a microscope and ensure the low power objective lens is in use. Use a transparent ruler or a slide with measuring tape to measure the size of the field of view.

Low power lens field of view = \_\_\_\_\_ mm

There are 1000 $\mu\text{m}$  in 1mm. Calculate the field of view in  $\mu\text{m}$ .

$$\begin{aligned} \text{Field of view in } \mu\text{m} &= \text{field of view in mm} \times 1000 \\ &= \quad \quad \quad \times 1000 \\ &= \quad \quad \quad \mu\text{m} \end{aligned}$$

Calculating the field of view is important as it allows you to estimate the length and width of the cells in your drawing.

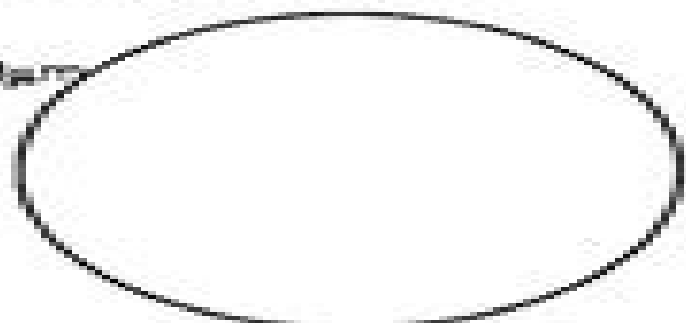
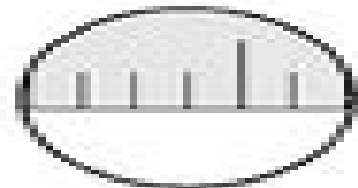
In the example here, the field of view is 1000  $\mu\text{m}$ .

12 cells are visible in the field of view. The width of a cell is therefore  $1/12$  of  $1000\mu\text{m}$ .

Width of cell =  $1000/12$  =  $83.3\mu\text{m}$   
Low power lens (x4)

Field of view =      mm

Field of view = 2.5 mm



# Teacherweb Microscopic Measurement Answers

**Maria Rooseboom**



## **Teacherweb Microscopic Measurement Answers:**

## **Teacherweb Microscopic Measurement Answers** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Teacherweb Microscopic Measurement Answers**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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