**Place Value Slide Rule – How It Works**

We are going to use the slide rule to convert 0.250 milligrams to micrograms

1. Write **0250** on your slide rule strip and position it with the decimal point in the correct place:



2. Decide which way we need to move the strip. In this instance, we need to **multiply by 1,000**. We therefore move the strip 3 places to the **left**, as indicated by the arrows.



3. Read off the answer – 250 micrograms.