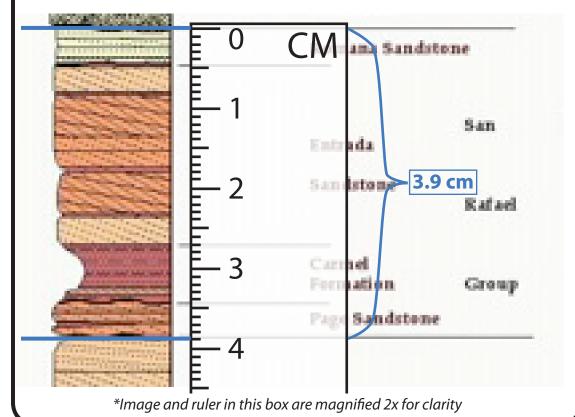
# **Measuring and Conversion**

#### 1. The Task Example task: What is the thickness of the San Rafael Group in meters? Tools: SECTION **Stratigraphic** GLEN CANYON KAIPAROWITS Section ..... PLATEAU Kaiparowits Scale Bar Wahweap Fermation Cretaceous Dip Tank Membe Ruler Straight Cliffs 0 CM Fermation Tibbet Caryon Member Smoky Holkey Member Tropic Shale Dakota Fm 5 Morrison Romana Sandstone Iurassio San Entrada San Rafael Sandstone Group Rafael Carmel Formation Group Page Sandstone

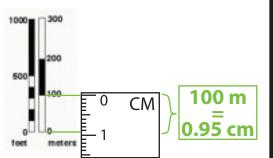
### 2. Measure the Section

Use the ruler to measure the length of the San Rafael Group on the stratigraphic section\*.



## 3. Measure the Scale

Use the ruler to measure the length of 100 m on the scale bar.



#### 4. Do the Math

Use your measurements to convert your San Rafael Group length into actual thickness in meters (symbolized as *X* in the equation below).

Solve for *X* 

$$\frac{100 \text{ m}}{0.95 \text{ cm}} = \frac{X}{3.9 \text{ cm}}$$

$$X = \frac{100 \text{ m} \times 3.9 \text{ cm}}{0.95 \text{ cm}} = 410.5 \text{ m}$$