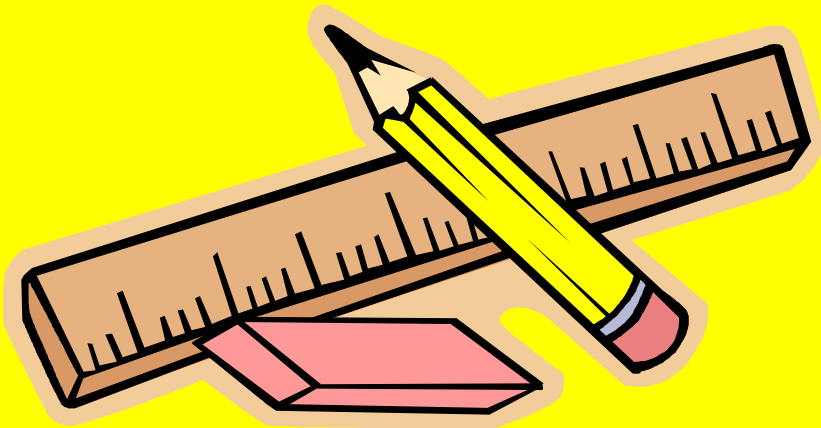


Metric Mania



Lesson 1: Length

English vs. Metric Units

Which is longer?

A. 1 mile or 1 kilometer

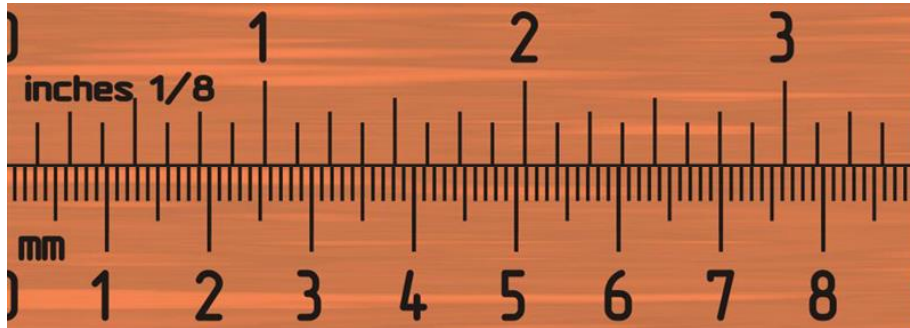
B. 1 yard or 1 meter

C. 1 inch or 1 centimeter

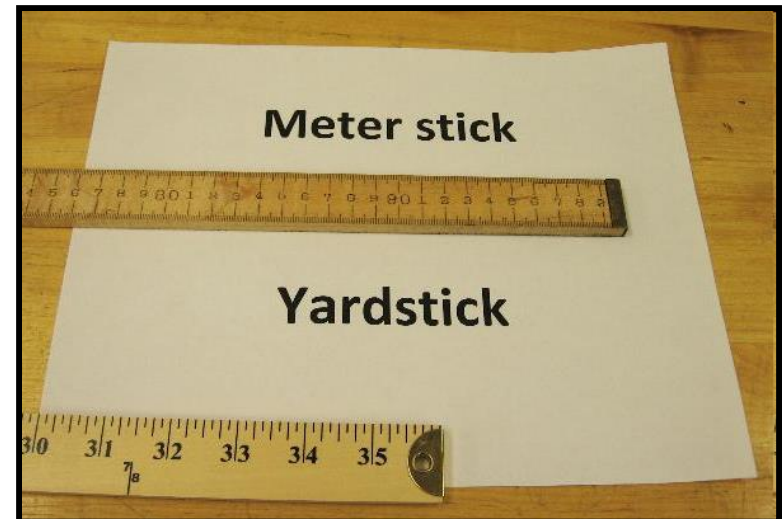
1 mile



1.6 kilometers



1 inch = 2.54 centimeters



1 yard = 0.9444 meters

km

m

Metric Units

cm

mm

The basic unit of length in the metric system is the **meter** and is represented by a lowercase **m**.

Standard: The **distance** traveled by **light** in absolute vacuum in $1/299,792,458$ of a second.

Metric Units

1 Kilometer (km) = 1000 meters

1 Meter = 100 Centimeters (cm)

1 Meter = 1000 Millimeters (mm)

Click the image to watch a short video about the meter.



Which is larger?

A. 1 meter or 105 centimeters

B. 4 kilometers or 4400 meters

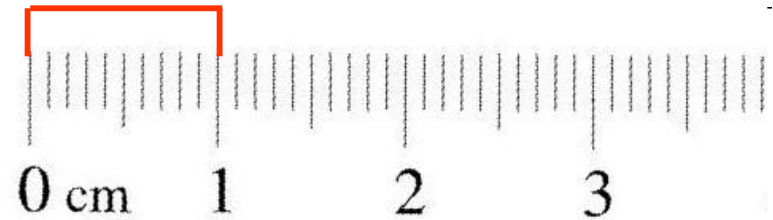
C. 12 centimeters or 102 millimeters

D. 1200 millimeters or 1 meter

Measuring Length

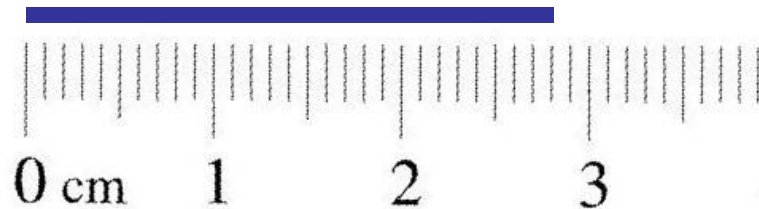
How many millimeters are in 1 centimeter?

1 centimeter = 10 millimeters



What is the length of the line in centimeters? _____ cm

What is the length of the line in millimeters? _____ mm



What is the length of the line to the nearest centimeter? _____ cm

HINT: Round to the nearest centimeter – no decimals.