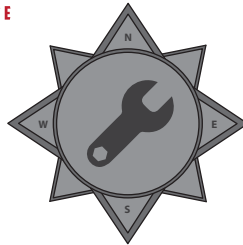


INCHES AND MILLIMETERS

I know it can get confusing, but there is no getting around it. In this day and age, you probably need to understand feet and inches plus meters and millimeters.

FLIP OVER FOR YOUR NEXT CHALLENGE



EARN THIS NUGGET

- Memorize the key, 25.4, which is the number of millimeters in an inch.
- Measure five household items, convert the measurement to millimeters, then to meters and share the results with your parents.

LEVEL I

B-3

The standard for the US is miles (1760 yards), yards (3 feet), feet (12 Inches), and finally inches, which then get broken down into fractions or very often decimals ($0.25'' = \frac{1}{4}''$).

The metric system used by much of the rest of the world is important to understand.

Kilometers (1000 meters), meters (1000 Millimeters), and finally millimeters. Some people will still talk about centimeters (100 centimeters to a meter), but this is no longer an official measuring system for most of the world.

The important thing is to know what the units are for any measurement that someone gives you, and you may need to convert. If you do have to convert, the magic number you need to remember is 25.4. That is the number of millimeters in an inch, so from there you can do easy conversion with a calculator:

1 inch = 25.4 mm
 1 foot = 25.4 x 12
 1 yard = 25.4 x 36
 1 mile 63360 x 25.4

And then to convert to meters, divide by 1000. To convert to kilometers, divide by 1000 again.

