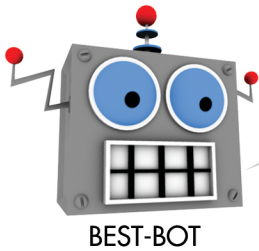


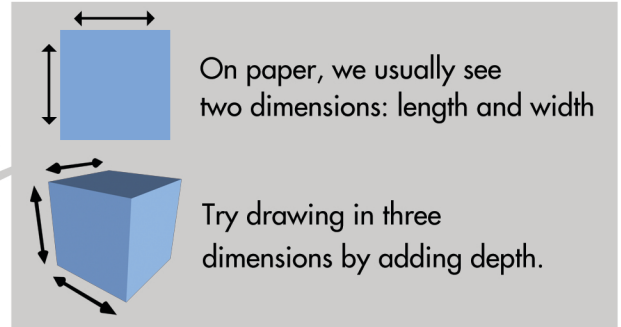
ENGINEERING DRAWINGS

NASA's BEST Students

The main purpose of an engineering drawing is to communicate an idea. Engineers are detail-oriented and creative. Have fun sketching your idea!



- Use a graph paper or grid
- Include dimensions and units: engineers use metric!
- Label materials



The base metric unit for measuring length is the meter (commonly used related units include milli-, centi-, and kilo-). 1 meter is a little longer than 3 feet. A centimeter is nearly the diameter of a dime. A millimeter is about the thickness of a dime.

Student Challenge: The edge of space is 100km above the Earth's surface. How much is this in meters? Remember that the metric system is EASY! Calculations involve multiples of 10 (rather than 3 or 12 used for inches, feet, and yards).

