Lesson: Measurement
Measurement is the use of standard units to find out size or quantity.

Tips:
When using measurement remember patterns and formulas. For example: how many inches in 1 foot? There are 12 inches in one foot. To change 3 feet you would repeat the pattern, 12 x 3 = 36 inches.

Remember these measurements:
- 12 Inches to 1 Foot
- 3 Feet to 1 Yard
- 16 Ounces to 1 Pound
- 8 Ounces to 1 Cup
- 24 Hours to 1 Day
- 60 Minutes to 1 Hour
- 60 Seconds to 1 Minute

Example Questions:
1. You cut a 24-foot board into 1½ foot pieces. How many pieces do you get?
   - A. O 36
   - B. O 16
   - C. O 14
   - D. O 12
   
   The correct answer is B. To solve this problem you need to know 12 inches = 1 foot.
   - Change 24 feet to inches, 24 x 12 = 288 and 1½ feet to inches, 1.5 x 12 = 18.
   - Then divide 288 inches by 18 inches to get 16 pieces.
   - You can also use decimals and divide 24 by 1.5 on the calculator.

2. There is a mailing project at work. It takes 45 seconds to stuff and seal each envelope. If 420 letters need to be sent, about how long will the project take?
   - A. O More than 6 hours.
   - B. O Between 5 and 6 hours.
   - C. O Between 4 and 5 hours.
   - D. O Less than 4 hours.
   
   The correct answer is B. This problem has multiple steps.
   - First we multiply the number of seconds for each envelope x the number of letters. 420 x 45 = 18,900 seconds.
   - The answers are in hours not in seconds, so the next step requires us to divide our answer 18,900 by the number of seconds in a minute, 60.
     18,900 ÷ 60 = 315 minutes. We are not finished however.
   - Our answer still needs to be in hours, so again we must divide 315 minutes by the number of minutes in one hour, 60. 315 ÷ 60 = 5.25 hours, the answer 5.25 is more than 5 hours but less than 6 hours.