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| **Procedure: Conversions**  **Time: 15 minutes**  **\*This skill will be scored using multiple choice questions\*** |
| Obtain the starting unit and ending unit of measurement |
| Obtain the conversion factor(s) between the starting and ending units |
| Write the conversion unit as a fraction with the ending units in the numerator (top) and beginning units in the denominator (bottom). |
| Multiply the starting measurement and unit by the conversion fraction. |
| Cancel like units that appear in the numerator (top) and denominator (bottom). |
| Simplify the answer. |
| Write the answer using the correct units of measurement. |

**Great video explanation:** [**https://youtu.be/7N0lRJLwpPI**](https://youtu.be/7N0lRJLwpPI)

**Skills Problem Examples and Solutions:**

1. Dixie is dispensed a 4 ounce bottle of antibiotic. She is to be given a 5 mL dose twice a day. How many mL does this bottle contain?

* Starting: 4 ounces, Ending: 1 mL
* 1 ounce = 30 mL
* 30 mL/1 ounce
* 4 ounces X (30 mL/1 ounce)
* 4 ounces X (30 mL/1 ounce)
* 4 X 30 mL = 120 mL

1. Pugsy is weighed in for his yearly examination. He weighs 5.5 kg. His owner would like to know what his weight is in pounds.

* Starting: 5.5 kg, Ending: pounds (lbs)
* 1 kg = 2.2 lbs
* 2.2 lbs/1 kg
* 5.5 kgs X (2.2 lbs/1 kg)
* 5.5 kgs X (2.2 lbs/1 kg)
* 5.5 X 2.2 lbs = 12.1 lbs