

FFA Veterinary Science CDE Skills Individual Practicum Rotation Rubric

Developed in Cooperation with PEER Program and Texas A&M Small Animal Veterinary Clinic

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/7N0IRJLwpPI>

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
2. 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)~~

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- 5.5 X 2.2 lbs = 12.1 lbs