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| **Procedure: Drug Cost Calculation**  **Time: 15 minutes**  **\*This skill will be scored through multiple choice questions\*** |
| Determine the total daily dosage of drug to be given (if necessary) |
| Determine the number of tablets or volume of liquid needed to fill prescription (if necessary) |
| Multiply the cost per unit of drug by the total number/volume prescribed. |

* **Important things to remember:** 
  + **Make sure the units for starting and ending units are the same; e.g., mL to L or % to gram or mg (refer to the conversion charts as needed)**

**Skills Problem Example and Solution:**

A 33 lb. dog needs 100 mg/kg of a drug daily; administered in 3 doses for 5 days. The drug is available in 500 mg tablets at a cost of .20 per tablet. Calculate the cost for the entire prescription.

* **Convert pounds to kilograms: 33 lbs x 1 kg/2.2 lbs = 15 kg**
* **Total daily dosage:** 15 kg x 100 mg/kg = 1,500 mg per day
* **Total number of tablets needed:** 1,500 mg x 1 tab/500 mg = 3 tablets per day
  + 3 tablets/day x 5 days = 15 tablets
* **Cost of prescription:** 15 tablets x .20/tablet = $3.00