How to round calculations according to ECAT PN program guidelines:

**Rules for correct answering Math Questions (ALL work must be shown to get credit)**

* Must use leading 0, not trailing zero. Example: 0.8 ml not .80 ml,
* If the question asks the student to give 1/8 of a pill or an exorbitant number of pills, the student should write that they would question the dose and/or call the Pharmacy.

**For volume (ml, l, etc.) and weight-based (mcg, mg, g, kg, etc.) answers:**

**Example:**

* + If the volume is > 1 milliliter round to the 10th place (1 spot), ie… 1.28 = 1.**3** **or** 1.24 = 1.**2**
  + If the volume is < 1 milliliter, round to the 100th place (2 spots), ie 0.654 = 0.**65** **or 0.135** = 0.**14**

**Therefore, if number is greater than 1 round to tenths place and if less than 1 round to the hundredths place.**

* If the syringe is not calibrated to meet the needs of the ordered dosage, then the answer should be to get another syringe.
* IV Gravity Drip Rates must be rounded up or down. For example, if the calculator answer is 20.8, Test answer is 21 drops per minute.
* Weight conversions (kg to lb or lb to kg). Answer needs to be at the tenths (10th) place (6.43 = 6.**4** kg or **9.48** = **9.5** kg).