

## GENERAL ROUNDING RULES

1. Round up when the number is equal to or greater than 5

2. Round down when the number is less than 5

3. Dosages less than 1 round to the *nearest 100<sup>th</sup>* (**unless otherwise instructed**)

A.  $0.746 \text{ mL} = 0.75 \text{ mL}$

B.  $0.744 \text{ mL} = 0.74 \text{ mL}$

4. Dosages: greater than 1, round to *the nearest 10<sup>th</sup>* (**unless otherwise instructed**)

A.  $1.86 \text{ mL} = 1.9 \text{ mL}$

B.  $1.82 \text{ mL} = 1.8 \text{ mL}$

5. Round ONLY the FINAL ANSWER

6. If the problem requires a conversion from pounds to kilograms and the answer is not a whole number, round the kilograms to the TENTH before using it in the next part of the formula

Example: A patient weighs 105 lbs and x-medication is ordered 2 mg/kg/day  
Calculate the daily dose. Round to the nearest whole number

Two parts to this example.

Part 1. Step 1. Convert pounds to kilograms:  $105 \div 2.2 = 47.72727272$

Step 2. Round to the 10<sup>th</sup> = 47.7

Part 2. Step 1. Proceed with the formula:  $2 \text{ mg} \times 47.7 \text{ kg} = 95.4 \text{ mg/day}$

Step 2. Round to the nearest whole number: 95 mg/day

7. Do not use a trailing zero: 2.4 not 2.40

8. Use a leading zero if applicable: 0.25 not .25