

## GENERAL ROUNDING RULES

1. Round up when number is equal to or greater than 5
2. Round down when number is less than 5
3. Dosages: less than 1, round to *nearest hundredth*
  - a. 0.746 ml = 0.75 ml
  - b. 0.743 ml = 0.74 ml
4. Dosages: greater than 1, round to *nearest tenth*
  - a. 1.86 ml = 1.9 ml
  - b. 1.82 ml = 1.8 ml

## OTHER DOSAGE CALCULATION GUIDELINES

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 pounds and X-med is ordered 2mg/kg/day.  
Calculate the daily dose. Round to the nearest whole number.  
(There are actually two problems in this example)

Problem 1. Convert pounds to kilograms. 105 divided by 2.2 = 47.727272727

Step 2. Round to the tenth = 47.7

Problem 2. Proceed with formula

$$2\text{mg} \times 47.7\text{kg} = 95.4 \text{ mg/day}$$

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

7. Do not use a trailing zero 2.4 not 2.40
8. Use a leading zero if applicable 0.25 not .25