

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. $0.746 \text{ ml} = 0.75 \text{ ml}$
 - b. $0.743 \text{ ml} = 0.74 \text{ ml}$
4. Dosages: greater than 1, round to *nearest tenth*
 - a. $1.86 \text{ ml} = 1.9 \text{ ml}$
 - b. $1.82 \text{ ml} = 1.8 \text{ ml}$

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. $105 \text{ divided by } 2.2 = 47.727272727$

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