

# Nursing Exam Rounding Rules

1. Documenting with calculations
  - a. All answers must be labeled correctly for what you are solving.
2. Do not round any numbers until the end of the problem, unless you are converting weight. If you are converting weight, please see number 5.
3. Basic rounding with decimals
  - a. No trailing zeros and no naked decimals
    - i. Correct: 4                      Correct: 0.12  
      Incorrect: 4.0                Incorrect: .12
  - b. Rounding to the nearest tenth:
    - i. If the last digit is = or >5, round up      example: 1.57 = 1.6
    - ii. If the last digit is <5, round down        example: 1.54 = 1.5
4. Rounding any number (unless otherwise instructed)
  - a. If greater than 1, round to the tenth
    - i. example: 1.234 = 1.2
  - b. If less than 1, round to the hundredth
    - i. example: 0.567 = 0.57
5. Converting weight:
  - a. If you use Dimensional Analysis to solve calculations, use the weight you are given in the problem and use a conversion (ex.  $\frac{1 \text{ kg}}{2.2 \text{ lbs}} \mid 76 \text{ lbs}$ )
  - b. If you do not use Dimensional Analysis, convert pounds to kilograms and round to the tenths **prior** to beginning the calculation (ex.  $76 \text{ lbs} \div 2.2 = 34.545454 = 34.6$ )
6. IV Calculations:
  - a. IV infusions are calculated in either gtts/min or mL/hour
    - i. gtts/min has to be rounded to the whole number  
      example: 21.4 = 21 gtts/min
    - ii. mL/hr has to be rounded to the tenth  
      example: 75.65 = 75.7mL/hr
7. Capsules and Tablets
  - a. Capsules: must be rounded to a whole number
    - i. example: 1.6 = 2 capsules      1.3 = 1 capsule
  - b. Tablets: unless otherwise indicated, assume tablets are scored and round to the nearest half tablet
    - i. example: 1.3 = 1.5 tablets or 1.2 tablets = 1 tablet