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Nursing 201 – Nursing Care of Special Populations
Equivalents and Formulas

1. Fill in the equivalents for the following:

- a. 1 mg = 1000 mcg
- b. 1 gm = 1000 mg
- c. 1 Kg = 1000 grams
- d. 1 Kg = 2.2 lbs
- e. 1 lb = 16 oz
- f. 1 liter = 1000 ml
- g. 1 tsp = 5 ml
- h. 3 teaspoons = 1 tablespoon(s)
- i. 1 tablespoon = 15 ml
- j. 1 gm = 1 ml

2. Write the formula you use to do drug calculations.

D → desired
Q → quantity
H → have

$$\frac{D \times Q}{H}$$

3. Write the IV drip rate formula.

$$\frac{\text{mL}}{\text{hr}} \times \frac{\text{gtts}}{\text{mL}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \frac{\text{gtts}}{\text{min}}$$