Medication Dosage Calculation Practice Problems:

1. A 280 pound man weighs how many kg?
2. Order: Lasix (furosemide) 40mg PO daily

Available: tablets labeled 20mg

How many tablets will the nurse administer?

1. Administer D5LR at 75ml/hr. The drop factor is 10gtt/ml

Calculate the flow rate in gtt/min

1. Administer 1000ml D5W in 6hr. The drop factor is 15gtt/ml.

Calculate the flow rate in gtt/min.

1. Infuse 200ml of NSS in 2hr. The drop factor is 20gtt/ml.

Calculate the flow rate in gtt/min.

1. Order: Gentamicin (garamycin) 55mg IM q8hr.

Available: Gentamicin (garamycin) 80mg per 2ml.

a. How many ml will the nurse administer for one dose?

b. How many ml will the nurse administer for the day?

1. Ampicillin 750mg IV q4hr.

Available: 2000mg per 5ml.

How many ml will the nurse administer for one dose?

How many ml will the nurse administer for one day?

1. An IV of 500ml NSS is to infuse at 60ml/hr. How long will the infusion take?

If the IV was started at 2000 (chronological time, military time), when would the infusion be completed (state in chronological time; military time)?

1. Order: Gentamicin (garamycin) 50mg IVPB q8h for a child weighing 40lb.

The recommended dosage for a child is 6 to 7.5mg/kg/day divided q8h.

Is the dosage ordered safe?

1. Order: Phenobarbital 10mg PO q12h is ordered for a child weighing 9 pounds.

The recommended maintenance dose is 3 to 5mg/kg/day q 12h.

Is the dosage ordered safe?