

Sample Medication Administration Math Problems

- 1) A patient weighs 220lbs. they need to be given 2mg/kg, you have the medication in 50mg/10ml. How many ml of medication does the patient need?
- 2) A patient weighs 330lbs. they need to be given 4mg/kg, you have the medication in 25 mg tablet form. How many tablets of the medication does the patient need?
- 3) You need to infuse 25 ml in 10 minutes per infusion pump. What should the rate be set at in ml/hr?
- 4) A patient weighs 110lbs. they need to be given 5mg/kg, you have the medication in 125mg/10ml. How many ml of medication does the patient need?

- 5) You need to give 60mg/kg of medication to a patient weighing 330lbs. the medication you have is 50 grains per caplet. How many Caplets must be given to the patient?
- 6) At what rate should you set the infusion pump, if you need to give 8 grams/hr per infusion pump and you have 80 grams in 100 ml on hand?
- 7) You need to give 120mg/kg of medication to a patient weighing 110lbs. the medication you have is 20 grains per caplet. How many Caplets must be given to the patient?
- 8) A medication is 40 grams in 200 ml, and the medication is running at 25 ml/hr. What is the drug rate per hr?
- 9) How many gtt/min are needed, if 600 ml must be infused in an hour at a drip factor of 60?
- 10) Using a drip factor of 15 to deliver 400 ml in 2 hours. How many gtt/min are needed?

11) You need to infuse 50 ml in 30 minutes per infusion pump. What should the rate be set at in ml/hr?

12) A patient weighs 165 lbs. they need to be given 2mg/kg, you have the medication in 50 mg tablet form. How many tablets of the medication does the patient need?

13) At what rate should you set the infusion pump, if you need to give 10 grams/hr per infusion pump and you have 50 grams in 100 ml on hand?

14) Using a drip factor of 10 to deliver 600 ml in 4 hours. How many gtt/min are needed?

15) A medication is 25 grams in 100 ml, and the medication is running at 100 ml/hr. What is the drug rate per hr?

- 16) A patient weighs 440 lbs. they need to be given 5 mg/kg, you have the medication in 100mg/10ml. How many ml of medication does the patient need?
- 17) A patient weighs 55 lbs. they need to be given 3mg/kg, you have the medication in 25 mg tablet form. How many tablets of the medication does the patient need?
- 18) Using a drip factor of 60 to deliver 360 ml in an hour. What gtt/min is needed?
- 19) You need to infuse 100 ml in 20 minutes per infusion pump. What should the rate be set at in ml/hr?
- 20) You need to give 60mg/kg of medication to a patient weighing 55 lbs. the medication you have is 25 grains per caplet. How many Caplets must be given to the patient?