

N301 Adult Health I

Lab Week 1

Name: _____Savannah Woods_____ Date: _____1/15/2020_____

Math Practice Questions

1. Express the following number to the nearest hundredth.
a. 2.345 _____ 2.35 _____
2. Solve the following equation. Express your answer to the nearest tenth.
a. 55×0.15 _____ 8.3 _____
3. Solve the equation. Express your answer as a decimal fraction to the nearest tenth.
a. 0.114×3.2 _____ 0.4 _____
4. You are to give 1,250 mg of a medication and you receive 250 mg tablets from the pharmacy. How many tablets would you administer?
a. _____ 5 _____
5. You have to administer a combination drug that combines 25 mg of medication A and 6.25 mg of medication B. Pharmacy has given you 12.5 mg tablets of medication A and 12.5 mg of medication B. How many tablets of medication B would you give?
a. _____ 1/2 tablet _____
6. You have to administer a prescription that combines two separate drugs of 50 mg of medication A and 12.5 mg of medication B. Pharmacy has given you 25 mg tablets of medication A and 6.25 mg of medication B. How many tablets of medication A would you give?
a. _____ 2 tablets _____
7. Express 750 mg in g
a. _____ 0.75 g _____
8. Express 0.75 mg in mcg
a. _____ 750 mcg _____
9. The nurse needs to infuse 250 mL over 45 minutes by infusion pump. At what rate per hour does the nurse set the pump?
a. _____ 333 per gtts/hr _____
10. The doctor has ordered 1 liter D5W (IV fluid solution 5% dextrose and water) over 12 hours. At what rate per hour does the nurse set the pump?
a. _____ 83.3 ml/hr _____
11. Convert these body weights into kilograms. Round to the nearest tenth.
a. 44.5 lbs = _____ 20.2 kg _____
b. 154 lbs = _____ 70 kg _____
c. 540 lbs = _____ 245.5 kg _____
d. 123 lbs = _____ 55.9 kg _____
12. A doctor orders 75 mg of ceftriaxone to be taken by a 15 pound infant twice a day. The pharmaceutical reference states that 50-75 mg/kg/day is the appropriate dosage range. Is this doctor's orders within the desired range?
a. _____ no _____
13. The most commonly used parenteral administration routes are:
a. Sublingual, intravenous, transdermal
b. Intravenous, intramuscular, and subcutaneous
c. Intravenous, inhalation, and subcutaneous

14. Insulin can be administered by what other routes?

- a. Subcutaneous, intravenous, self-administered pens
- b. Intramuscular, inhalation, intradermal
- c. Subcutaneous, intradermal, sublingual

15. One balanced electrolyte solution is which of the following?

- a. D5NS
- b. LR
- c. 0.9% NSS
- d. 0.45% NSS

16. Identify which of the following solutions is the weakest?

- a. 1:1000
- b. 1:10,000
- c. 1:5

17. There are two bottles of milk of magnesium on the shelf at the pharmacy. One bottle contains 9.5 oz and the other 300 mL. Which has the larger volume?

- a. _____ 300 ml _____

18. The recommended dose of Dilantin for a child is 3 mg/kg/24 hr given every 12 hours. The patient's weight is 10 lbs. The medication is supplied in 250 mg/10 mL.

- a. Calculate the weight for the child in kg _____ 4.6 kg _____
- b. Calculate the safe dose for the child in mg/dose _____ 6.9 mg _____
- c. How many milliliters will be administered for each dose? _____ 0.3 ml _____

19. The patient is ordered Tylenol elixir at 325 mg per 2 teaspoons (tsp.) How many mL would the nurse administer?

- a. _____ 10 ml _____

20. An IV medication of 250 mL is started at 0750 to run at 33 gtts/min using a 10 gtts/mL set. How long will the infusion run?

- a. _____ until 0905, for 1 hr and 15 min _____