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Medication Math Packet #1

Due Date: 8/17/2021

Time: 1730

Instructions - Page 2

1. Use the Answer Sheet to record your answers.

2. When documenting your answers:

For multiple choice questions, record the letter of your answer on the sheet

As applicable, record the vehicle (mg, mL, oz, etc.) with the answer.

3. Place your answer sheet in Dropbox 1.

4. You can turn it in prior to the official due date.

No minimum score is required for this packet.

For MAC users:

Save the form in Rich Text Format (RTF) so I can open it. If needed, here are instructions.

When saving the completed Word document:

- a. Click on the “Save as Type” drop-down menu**
- b. Click the “Save as Type” drop-down menu**
- c. Click the “Rich Text Format” option.**
- d. Save the file and place in the dropbox.**

Answer Sheet - Name: Rafael Alegre

1. B. 4 days
2. D. 10 mL
3. C. 250 mg
4. 6 tsp / 2 Tbsp / 1 oz
5. 84.5 kg
6. 2 Cups
7. 68.2 kg
8. 176 lbs
9. B. 2 mL
10. C. 8 tsp
11. D. 64 tsp
12. A. 0.03 g
13. B. 25 mL
14. 552 mL
15. 500 mg
16. 0.3 mL
17. 10 mL; yes within limit ($800 > 545.4$)
18. 10 mL
19. 0.875 L
20. 0.8 mL

Instructional Module 1 Medication Math Packet

1. A patient receives a 4 oz. bottle of cough syrup.
The instructions are to take 1 ½ teaspoons QID until finished.
How many days will the bottle last?

A. 2 days	B. 4 days	C. 5 days	D. 7 days
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Use this information for Questions #2 and #3

Order: 750 mg of a medication to be given in 3 equal doses daily
Available: 125 mg/ 5 mL

2. How many mL of the medication should be given per dose?

A. 3 mL	B. 5 mL	C. 7.5 mL	D. 10 mL
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3. How many mg of the drug should be given per dose?

A. 125 mg	B. 225 mg	C. 250 mg	D. 375 mg
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Complete these conversions - Questions #4 to #8

4. 30 mL = _____ tsp / _____ Tbsp / _____ oz

5. 186 lb = _____ kg

6. 480 mL = _____ C

7. 150 lbs = _____ kg

8. 80 kg = _____ lbs

9. Available: Liquid medication - 250 mg/10 mL
How many mL contain 50 mg of this medication?

A. 1 mL	B. 2 mL	C. 3 mL	D. 4 mL
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Use this information for Questions #10 and #11

A patient is to take 2 teaspoons of a liquid medication every 6 hours x 8 days.

10. How many teaspoons per day?

A. 4 tsp	B. 6 tsp	C. 8 tsp	D. 10 tsp
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11. How many teaspoons at the end of 8 days?

A. 24 tsp	B. 36 tsp	C. 48 tsp	D. 64 tsp
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12. 30 mg = ____ g

A. 0.03	B. 0.030	C. 0.0003	D. 0.000030
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13. 5 tsp = ____ mL

A. 20	B. 25	C. 50	D. 75
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14. Calculate the fluid intake in mL for the items
3 oz. grape juice + 6 oz. broth + 9 oz. coffee + 12 oz. soft drink.

15. Administer 1.5 g PO daily in three equal doses
What is the dosage in mg per dose?

16. Administer medication 2.5 mg PO daily
Available: medication 40 mg/5 mL
What is the dose in mL?

17. Administer fluorouracil 6 mg/kg/day IV x 1 dose, not to exceed 800 mg per day
Available: 1 g/20 mL
The patient weighs 200 lbs
How many mL for the dose? Round to the nearest whole number
Is the dose within the limit for a daily dose?

18. Order: 500 mg PO daily
Available: 0.25 g/5 mL
What is the dose in mL?

19. A patient's output for the 3 to 11 pm shift:
1500 Urine: 325 mL + Emesis: 75 mL
2100 Urine: 225 mL
2200 Nasogastric tube drainage: 200 mL
2300 Wound drain 50 mL of wound drainage
What is the amount in liters?
20. Administer chloral hydrate 200 mg X 1 dose
Available: chloral hydrate 250 mg/mL
What volume should be administered?