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Medication Math Packet #2

Due Date: _____ 8/24/21

Time: _____ 1730

Instructions

1. Use the Answer Sheet to record your answers.

2. If there are no rounding instructions with a question, utilize the rounding rules from the class presentation.

3. When documenting your answers:

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

4. Place your answer sheet in Dropbox 2 - August 24, 2021.

5. 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: _____

1.
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3.
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Instructional Module 1

Medication Math Packet

1. Order: Administer medication 3 g q 12 hours
Available: medication 750 mg scored tablets
How many tablets should be given per dose?
2. Order: Administer heparin 10,000 units SQ daily
Available: heparin 6,000 units/0.5 mL
What is the volume of medication to be administered? Round to 100ths.
3. Administer: medication 2.5 g PO daily in 3 equal doses
What is the amount of mg in each dose?
Round the final answer to the 10ths.
4. Administer: medication 8.5 mg PO daily
Available: 10 mg/5 mL
What is the quantity of mL per dose?
5. Order: Administer 3 Levothyroxine sodium tabs PO daily.
Available: 75 mcg/tablet.
How many mg will the patient take each day?

Complete these conversions: Questions - #6 and 7

6. 0.05 L = _____ mL
7. 25 kg = _____ g
8. Order: bupropion SR 50 mg PO bid
Available are 100 mg tablets.
How many tablets per dose?

9. Available: acetaminophen 160 mg /5 mL
Order: acetaminophen 480 mg PO every 4 hours PRN fever greater than 100.4° What volume should be administered for a single dose?
10. Administer Morphine 7.5 mg IM now
Available: Morphine 10 mg/mL
What volume should be administered?
11. Order: Vasotec 10 mg PO BID
Available: Vasotec 2.5 mg/tablet
How many tablets should be administered for the day?
12. Administer chloral hydrate 200 mg X 1 dose
Available: chloral hydrate 250 mg/mL
What volume should be administered?
13. Administer acetaminophen 500 mg X 1 dose
Available: acetaminophen 200 mg /3.5 mL
What volume should be administered?
Round to the 10ths.

Use this information for Questions #14 to #20
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Amoxicillin trihydrate equivalent to 3.75 g amoxicillin.
 NDC 0093-4150-80
AMOXICILLIN
 for Oral Suspension USP
 equivalent to
125 mg per 5 mL
 amoxicillin when reconstituted according to directions.

Usual Dosage: Adults — 250 mg - 500 mg every eight hours, depending on type and severity of infection.
Children — 20 mg - 40 mg/kg/day in divided doses every eight hours, depending on type and severity of infection.

Rx only
 See accompanying literature.
WARNING: NOT FOR INJECTION

150 mL (when mixed)

TEVA

Store USP reconstituted suspension at 25°C (77°F).
 Store USP reconstituted suspension at room temperature (20°C to 25°C) for up to 14 days.
 TO THE PHARMACEUTICALS DIVISION OF TEVA PHARMACEUTICALS USA

When stored at room temperature or in refrigerator discard unused portion of reconstituted suspension after 14 days.
 Shake well before using. Keep tightly closed.
 KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN

Manufactured in Canada By:
 NOVOPHARM LIMITED
 Toronto, Canada M1B 2K9
 Manufactured For:
 TEVA PHARMACEUTICALS USA
 Sellersville, PA 18960

Rev. E 7/2006

- A. Not for injection
- B. 125 mg/5 mL
- C. 113 mL
- D. Room temperature, discontinue after 14 days, shake well
- E. Water
- F. 150 mL
- G. Liquid - oral Suspension

Match the answers - A. to G. - with the numbered question

- 14. Form _____
- 15. Volume used to dilute _____
- 16. Mix with this diluent _____
- 17. Dosage strength when reconstituted _____
- 18. Total volume when reconstituted _____
- 19. Warning _____
- 20. Instructions _____