Mercer County Community College

Division of Health Professions

Nursing Program

Summer Medication Calculation Practice #1

Round the following numbers to the nearest tenth:

1. 6.237 _____

2. 3.47 _____

3. 8.91 _____

4. 5.32 _____

5. 2.77 _____

Convert the following:

6. 1.2 mg = _____mcg

7. 3 g = _____mg

8. 1800 mcg = _____mg

9. 4000 mg = _____g

10. 165 lb = _____kg

Perform the following infusion calculations:

11. Order: Infuse 1 L of 0.9%NSS over 8 hours using a 15 gtt/ml drip set. How many drops per minute should the nurse set the infusion rate?

    Answer:_____

12. Order: Infuse 100 mL of antibiotic over 120 minutes using a 60 gtt/mL drip set. How many drops per minute should the nurse set the infusion rate?

    Answer:_____

13. Order: Infuse D5/0.45%NSS at rate of 83 ml/hr. How long will it take to infuse 1 L (round to the nearest hour)?

Answer:_____

14. Order: Administer 30 mL/kg over 2 hours. Patient weighs 220 lbs. How many mL/hr should the nurse set the infusion pump?

Answer:_____

Calculate the correct amount to administer:

15. Order: digoxin 0.25 mg PO daily

Tablets prepared for administration:_____

16. Order: furosemide 60 mg PO daily

Tablets prepared for administration:_____

17. Order: lisinopril 10 mg PO daily

Tablets prepared for administration:_____

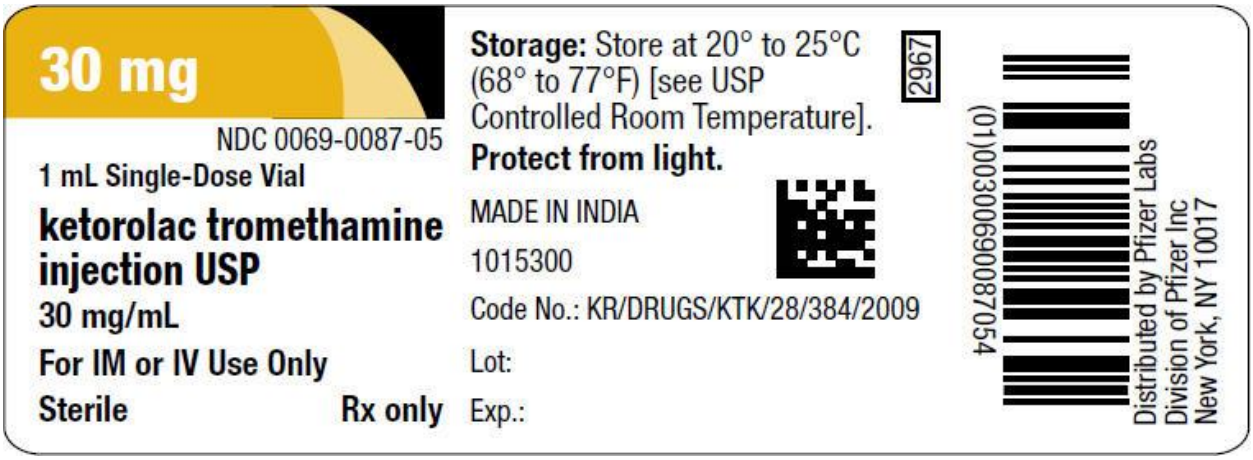
18. Order: Diluadid 1 mg IM

Amount prepared for injection:_____

19. Order: Ceftriaxone 0.5 gIM

Amount prepared for injection:_____ (round to the nearest tenth)

20. Order: ketorolac 15 mg IM



Amount prepared for injection:_____