

ST. LOUIS COMMUNITY COLLEGE

Practice Dosage Calculation Test

(Answers can be found at the end of the test.)

Instructions: Convert the following to the equivalent measures indicated.

1. 1 L = _____ mL
2. 3 T = _____ mL
3. 88 lb = _____ kg
4. 1 gr = _____ mg
5. 200 mcg _____ mg

Instructions: All answers must be labeled correctly in order to receive credit. Carry the division at least two decimal places and round to the nearest tenth. Assume that all tablets are scored.

6. Order: Lanoxin 0.125 mg
Available: Lanoxin 0.25 mg tablets

Give _____

7. Order: Apresoline 30 mg
Available: Apresoline 20 mg tablets

Give _____

8. Order: Calan 10 mg
Available: Calan 2.5 mg tablets

Give _____

9. Order: Cleocin 300 mg
Available: Cleocin 0.6 g/4 mL

Give _____

10. Order: heparin 6,000 units subcutaneous
Available: heparin 10,000 units/mL

Give _____

11. Order: Synthroid 0.1 mg
Available: Synthroid 50 mcg tablets

Give _____

12. Order: Gentamycin Sulfate 100 mg
Available: Gentamycin Sulfate 60 mg/1.5 mL

Give _____

13. Ordered: Scopolamine 0.4 mg
Available: Scopolamine 0.5 mg/mL

Give _____

14. Order: Sodium amytal 0.1 g
Available: Sodium amytal 200 mg/3 mL

Give _____

15. Order: Naprosyn 0.375 g
Available: Naprosyn 250 mg tablets

Give _____

16. Order: Meperidine 60 mg
Available: Meperidine 75 mg/mL

Give _____

17. Order: Gantrisin 400 mg
Available: Gantrisin 2 g/5 mL

Give _____

18. Order: Levothyroxine sodium 0.25 mg
Available: Levothyroxine sodium 100 mcg tablets

Give _____

19. Order: Potassium chloride 30 mcg
Available: Potassium chloride 40 mcg/30 mL

Give: _____

20. Order: Dilantin 25 mg
Available: Dilantin 100 mg/2 mL

Give _____

21. Ordered: Epogen 1400 units
Available: Epogen 2000 units/ mL

Give _____

22. Order: Lasix 25 mg
Available Lasix 40 mg/ 4 mL

Give _____

23. Order: Ampicillin 500 mg
Available: Ampicillin 500 mg

Directions: Reconstitute with 1.8 mL sterile water for a concentration of 250 mg/mL

Give _____

24. Order: Ancef 500 mg
Available: Ancef 1 g

Directions: Reconstitute with 2.5 mL normal saline to yield 3 mL worth a concentration of 330 mg/mL

Give _____

25. Order: Zosyn 2.5 g
Available: 3.375 g vial of powdered Zosyn

Directions: Reconstitute Zosyn with 5 mL of normal saline for a total solution volume of 5 mL.

Give _____

Answers

1. 1000 mL
2. 45 mL
3. 40 kg
4. 60 mg
5. 0.2 mg
6. 0.5 tablet (or $\frac{1}{2}$ tablet)
7. 1.5 tablets (or $1\frac{1}{2}$ tablets)
8. 4 tablets
9. 2 mL
10. 0.6 mL
11. 2 tablets
12. 2.5 mL
13. 0.8 mL
14. 1.5 mL
15. 1.5 tablets (or $1\frac{1}{2}$ tablets)
16. 0.8 mL
17. 1 mL
18. 2.5 tablets (or $2\frac{1}{2}$ tablets)
19. 22.5 mL
20. 0.5 mL
21. 0.7 mL
22. 2.5 mL
23. 2 mL
24. 1.5 mL
25. 3.7 mL