

NAME _____

DATE _____

ACCEPTABLE SCORE 16

YOUR SCORE _____



CHAPTER 7
Calculations Used in
Patient Assessments

POSTTEST 2



DIRECTIONS: Change to approximate equivalents as indicated. Solve the problems and show your work. Convert fractions to decimals before solving the problem.

1. 60 lb = _____ kg 2. 2100 mL = _____ fl oz 3. 20 lb = _____ kg

4. 3.5 cups = _____ mL 5. 15 fl oz = _____ mL 6. 1200 g = _____ lb

7. 42 kg = _____ lb 8. 7 kg = _____ lb 9. 3½ lb = _____ g

10. 100 cm = _____ inches 11. 12 inches = _____ cm 12. 97.8° F = _____ ° C

13. 40.4° C = _____ ° F 14. 100.8° F = _____ ° C 15. 103.2° F = _____ ° C

16. During the 6 AM to 6 PM shift, a patient has lactated Ringer's solution (LR) infusing at 100 mL/h. The patient consumes 120 mL of juice with breakfast, 240 mL of coffee and 120 mL of ice cream with lunch, and 240 mL of milk with dinner. The patient also drank half of the water in the 900-mL water pitcher. The patient voided three times during the shift for 340 mL, 480 mL, and 540 mL of urine. Calculate the I&O for this shift.

17. During the 7 AM to 7 PM shift a patient is nothing by mouth (NPO) and is receiving D5NS with 20 mEq KCl at 150 mL/h. The patient voided 4 times during the shift for 260 mL, 380 mL, 160 mL, and 320 mL of urine. Calculate the I&O for this shift.

21. During the 6 AM to 6 PM shift, a patient has total parenteral nutrition (TPN) infusing at 75 mL/h and IV fluids of normal saline (NS) infusing at 100 mL/h at 6 AM. An order is received to decrease the IV fluids to 50 mL/h at 1 PM. The IV fluids are held for 1 hour while 1 g of magnesium in 50 mL of D5Q is infused from 9 AM to 10 AM. The patient consumes 8 oz of broth at 2 PM. At 6 PM, the patient's Foley catheter is emptied of 750 mL, the chest tube (CT) has drained 120 mL, and the nasogastric (NG) tube is emptied of 240 mL of gastric drainage. Calculate the I&O for this shift using the following I&O sheet.

	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	Total
Intake:													
Oral													
IV													
IV Med													
TPN													
Shift Total:													
Output:													
Urine													
NG Tube													
CT													
Shift Total:													

ANSWERS ON PP. 157-158.

evolve For additional practice problems, refer to the Conversions and Equivalents section of *Elsevier's Interactive Drug Calculation Application*, version 1.