WORK SHEET

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

1. 22 lb = _____ kg
2. 3 cups = _____ mL
3. 210 mL = _____ fl oz
4. 10 kg = _____ lb
5. 1740 mL = _____ fl oz
6. ½ fl oz = _____ mL
7. 4.2 inches = _____ cm
8. 6 fl oz = _____ mL
9. 3600 mL = _____ fl oz
10. 360 mL = _____ cups
11. 3.3 kg = _____ lb
12. 6 lb = _____ kg
13. 30 cm = _____ inches
14. 5 lb = _____ kg
15. 2400 mL = _____ cups
16. 2 cups = _____ mL
17. 365 kg = _____ lb
18. 4 fl oz = _____ mL
19. 12 lb = _____ g
20. 75 lb = _____ kg
21. 6 cups = _____ mL
22. 4500 g = _____ kg
23. 25 kg = _____ lb
24. 99.6° F = _____ ° C

25. 101.8° F = _____ ° C **26.** 40.4° C = _____ ° F **27.** 36.8° C = _____ ° F

28. 39.2° C = _____ ° F **29.** 98.4° F = _____ ° C **30.** 41.2° C = _____ ° F

31. 103.6° F = _____ ° C **32.** 102.2° F = _____ ° C **33.** 100.4° F = _____ ° C

34. During the 6 AM to 6 PM shift, a patient consumes 180 mL of apple juice and 120 mL of milk for breakfast, 240 mL of coffee and 120 mL of gelatin for lunch, and 120 mL of ice cream and 240 mL of tea for dinner. The patient voided four times during the shift for 340 mL, 220 mL, 440 mL, and 300 mL of urine. Calculate the I&O for this shift.

35. During the 7 AM to 7 PM shift, a patient has lactated Ringer's infusing at 125 mL/h. The patient consumed 180 mL of juice with breakfast, 120 mL of coffee and 80 mL of ice cream with lunch, and 360 mL of a soft drink with dinner. The patient also drank 8 oz of water. The patient voided 4 times during the shift for 440 mL, 280 mL, 200 mL, and 450 mL of urine. Calculate the I&O for this shift.

36. During the 6 AM to 6 PM shift, a patient consumes 2 cups of tea and 8 oz of milk for breakfast, 1 cup of coffee and 6 oz of gelatin for lunch, and ½ cup of broth and 4 oz of ice cream for dinner. The patient voided five times during the shift for 120 mL, 200 mL, 240 mL, 400 mL, and 320 mL of urine. Calculate the I&O for this shift.

37. During the 7 AM to 7 PM shift, a patient receives 4 oz of Glucerna every 3 hours followed by 2 oz of water per gastrostomy tube on an 8-11-2-5 schedule. The patient consumes 3 oz of ice pop over the shift. The chest tube drained 120 mL and the patient's indwelling urinary catheter is emptied of 1.5 L of urine at 7 PM. Calculate the I&O for this shift.

38. During the 7 AM to 7 PM shift, a patient has total parenteral nutrition (TPN) infusing at 125 mL/h and IV fluids of NS infusing at 50 mL/h at 7 AM. An order is received to increase the IV fluids to 100 mL/h at 11 AM. The IV fluids are held for 2 hours while 40 mEq of potassium chloride in 150 mL of D_5W is infused from 9 AM to 11 AM. The patient consumes 4 oz of broth at 1 PM. At 7 PM, the patient's indwelling urinary catheter is emptied of 750 mL, the chest tube (CT) has drained 80 mL, and the nasogastric (NG) tube is emptied of 360 mL of gastric drainage. Calculate the I&O during this shift using the following I&O sheet.

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

39. During the 6 AM to 6 PM shift, a patient has intravenous (IV) fluids of D5 ½ NS with 20 mEq KCl infusing at 100 mL/h at 6 AM. An order is received to increase the IV fluids to 125 mL/h at 11 AM. The IV fluids are held for 2 hours while vancomycin 1 g in 250 mL of 0.9% NS is infused from 3 PM to 5 PM. The patient consumes 6 oz of broth and 3 oz of gelatin for breakfast, 240 mL of milk for lunch, and 120 mL of coffee with dinner. At 2 PM, the patient has 200 mL removed during a thoracentesis. At 6 PM, the patient's Foley catheter is emptied of 1100 mL and 150 mL is emptied from a surgical drain. 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 Meds													
Shift Total:													
Output:													
Urine													
Drains													
Thora													
Shift Total:													

40. Choose the most likely options for the information missing from the statement below by selecting from the lists of options provided.

The total intake from 7 AM to 7 PM shift is _____1_____ and the total output is _____2_____.

Options for 1	Options for 2
750 mL	1380 mL
810 mL	1500 mL
870 mL	1620 mL

ANSWERS ON PP. 154–155.