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Proficiency Test #1

1. 20/30 x 15= 10 mL
2. 150/75 x 7.5= 15 mL
3. 0.125/ 0.25 x 10= 5 mL
4. 375/125 x 5= 15 mL
5. 40/20 x 2.5= 5 mL
6. 0.5/0.25= 2 tablets
7. 100/100= 1 capsule
8. 250/100= 2.5 tablets
9. 05./0.25= 2 capsules
10. 0.3/0.3= 1 tablet

Proficiency Test #2

1. 10/15= 0.7 mL
2. 0.1/0.2= 0.5 mL
3. 1000/5000= 0.2 mL
4. 25/1000 x 100= 2.5 mL
5. 0.5/0.4=1.25 mL
6. 10+3= 13 units
7. 1.2 /5 = 2.4 mL
8. 0.5/1000 x 1000= 0.5 mL
9.
    a. 2 mL sterile water and NaCl
    b. 1 g/2.6 mL
    c. 2.6 mL

d. 2.6 mL

e. Nothing is left

f. Discard

Proficiency Test #1

1.

a. 1000/150= 6.67/hr

b. 150/60 x 10= 25

c. Macro tubing

2.

a. 100/360 x 60= 16.67

b. Macro tubing

3.

a. Allow 100 mL to run off

b. 150/180 x 15= 12.5= 12.5

150/180 x 60= 50

c. Micro tubing

4. 500/24= 21 mL/hour

5.

a. Reconstitute 100 mg powder to the 250 mL

b. 250/60 x 10= 41.67 or 42

6.

a. 1 g= 1000 mg; 1000 mg is in 10 mL. Add 5 mL aminophylline to make 500 mg 9in 250 mL D5W

b. 250/8= 31 mL/hour

7. 125 x 20= 2500

75 x 4= 300

2800 mL

8.

    a. 90 mL/hour
    b. 1,000/90= 11.11

9. 50 mg

10.

    a. 75 mL D5W, 100 mL bag and remove 25 mL. Add 5 mL Bactrim to 75 mL, time is 60 minutes and the order is 75 mL/hour so no math is needed.
    b. 75 x 60/ 90= 50 mL/hour

11. ¾ x 150= 112.5 mL Isocal

    150- 112.5= 37.5 mL water

12. ½ x 500= 250 mL Vivonex

    500- 250= 250 ml water

13. 0.25 x 400= 100 mL Osmolite

    400-100= 300 mL water

14. 500 mL Isocal

    0 mL water

<u>Self Test 4 #1-2</u>

1. 6’0”= 72 inches

   72 in x 2.54= 182.88 cm

   182.88 x 75/ 3600= 3.81

   Square root of 3.81= 1.96

   a. Dose is correct
   b. 250/1= 250 mL

2.

a. Dose is correct; 130 mg/meters squared x 1.77= 230 mg

b. Two 100 mg tabs and three 120 mg tabs