p.269

1A) $\frac{250\text{mL}}{25{,}000\text{units}} \times 800\text{units} = 8\text{mL/hr}$

1B) $\frac{250\text{mL}}{8\text{mL/hr}} = 31.25 = 31\text{hrs}$

2.) $\frac{\cancel{500\text{mg}}}{\cancel{500\text{mg}}} = 1 \quad 100\text{mL/1hr}$

3.) $\frac{1000\text{mL}}{24\text{hr}} = 41.6 = 42\text{mL/hr}$

4) $\frac{\cancel{100\text{mL}}}{\cancel{10\text{mg}}} \quad \frac{100\text{mL}}{125\text{mg}} \times 10\text{mg} = 8\text{mL/hr}$

5) $\frac{100\text{mL}}{100\text{mg}} \times 4\text{mg} = 4\text{mL/hr}$

6A) $\frac{250\text{mL}}{125\text{units}} \times 15\text{units} = 30\text{mL/hr}$

6.B) $\frac{250\text{mL}}{30\text{mL/hr}} = 8.3 = 8\text{ hours}$

7) $\frac{250\text{mL}}{24\text{hours}} = 10.4 = 10\text{mL/hr}$

9) A. $\frac{250\text{mL}}{250\text{units}} \times 23\text{units} = 23\text{mL/hr}$

← number 9

B. $\frac{250\text{mL}}{23\text{mL/hr}} = 10.8 = 11$

8) $\frac{500\text{mL}}{25{,}000\text{ units}} \times 1{,}200\text{ units} = 24\text{mL/hr}$

B.) $\frac{500\text{mL}}{24\text{mL/hr}} = 20.8 = 21\text{ hours}$

10) $\frac{250\text{mL}}{750{,}000\text{units}} \times 100{,}000\text{ units} = 33.3 = 33\text{mL/hr}$

66

1) A) $\frac{1000\,mL}{150\,mL/hr} = 6.6 = 7$ hours

B.) $\frac{150 \times 10}{60} = 25\ gtt/min$ $\frac{150 \times 60}{60} = 150\ gtt/min$

C.)

2 A) $\frac{100\,mL \times 10}{60} = 17\ gtt/min$ $\frac{100mL \times 60}{60} = 100\ gtt/min$

B)

3A)

B.) $\frac{150mL \times 15}{180} = 125 = 13\ gtt/min$ $\frac{150 \times 60}{180} = 50\ gtt/min$

C.) macrodrip

4) $\frac{500mL}{24hrs} = 20.8 = 21\ mL/hr$

5) A.) 100 mg powder to 250 mL & give IVPB over 1 hour

B) $\frac{250\,mL \times 10}{60} = 41.6 = 42\ gtt/min$

6A) add 5mL aminophylline to get 500mg B) $\frac{250mL}{8hrs} = 31mL/hr$

~~B~~) $\frac{500mg}{1000mg} \times 10mL = 5mL$

7. 7)

8) $\frac{1000mg}{90mL}$ = 11 hours

9) $\frac{500mL}{0.5g} \times 50mg$

10) A) 75mL

B) $\frac{75 \times 60}{90}$ = mL/hr

11) 3/4 x 150mL = 112.5mL
150 - 112.5 = 37.5mL water

12) 1/2 x 500mL = 250mL
500 - 250 = 250mL water

13) 1/4 x 400mL = 100mL 400 - 100 = 300mL water

14) 500mL isocal
0mL water