Med Math 2

Pg 269

Kaitlyn L

1. $\dfrac{1hr}{800u}$ $25000u = 31.3\ hours$ (B)

$\dfrac{250\ mL}{25,000\ \cancel{u}}$ $\dfrac{800\ \cancel{u}}{1\ hr} = \dfrac{8mL}{1\ hr}$ (A)

2. $\dfrac{100mL}{1\ hr} = 100mL/1\ hr$

3. $\dfrac{1000\ mL}{24\ hr} = 42\ mL/1\ hr$

4. $\dfrac{100mL}{125mg}$ $10\ mg = 8mL/1\ hr$

5. $\dfrac{100mL}{100mg}$ $\dfrac{4mg}{1\ hr} = 4mL/1\ hr$

6. $\dfrac{250mL}{125u}$ $\dfrac{15u}{1\ hr} = 30mL/1\ hr$ (A)

$\dfrac{1\ hr}{15u}$ $125u = 8.3\ hours$

7. $\dfrac{250\text{mL}}{24\text{hr}} = 10\text{ mL}/1\text{hr}$

8. $\dfrac{500\text{mL}}{25000\text{u}} \quad \dfrac{1200\text{u}}{1\text{hr}} = 24\text{ mL}/1\text{hr}$ (A)

   $\dfrac{1\text{hr}}{1200\text{u}} \quad \dfrac{25000}{\ } = 20.8\text{ hours}$ (B)

9. $\dfrac{250\text{mL}}{250\text{u}} \quad \dfrac{23\text{u}}{1\text{hr}} = 23\text{ mL}/1\text{hr}$ (A)

   $\dfrac{1\text{hr}}{23\text{u}} \quad \dfrac{250\text{u}}{\ } = 10.9\text{ hours}$ (B)

10. $\dfrac{250\text{mL}}{750000\text{ u}} \quad \dfrac{100\,000\text{ u}}{\ } = 33\text{ mL}/1\text{hr}$

Med Math 2   Pg 244

Kaitlyn L

1. $\dfrac{1hr}{150mL}$ $\dfrac{1000mL}{}$ = 6.7 hours   (A)

    $\dfrac{10gtt}{1mL}$ $\dfrac{150mL}{1hr}$ $\dfrac{1hr}{60min}$ = 25gtt/min   (B)

                                         macrotubing (C)

2. $\dfrac{10gtt}{1mL}$ $\dfrac{100mL}{6hrs}$ $\dfrac{1hr}{60min}$ = 3gtts/min   (A)

                                         macrotubing (B)

3. $\dfrac{2250gtt}{180min}$ = 13gtts/min   (B)

    $\dfrac{60gtt}{1mL}$ $\dfrac{150mL}{3hrs}$ $\dfrac{1hr}{60min}$ = 50gtt/1min   (A)

                              (C) microdrip tubing

4. $\dfrac{500mL}{24hrs}$ = 21 mL/hr

5. $\dfrac{250mL}{1hr}$ = 250mL/1hr = Isotonic   (A)

    $\dfrac{10gtts}{1mL}$ $\dfrac{250mL}{1hr}$ $\dfrac{1hr}{60min}$ = 42 gtt/mL   (B)

6. $\dfrac{10mL}{1g} \cdot \dfrac{1g}{1000mg} \cdot \dfrac{500mg}{1} = 5mL$ (A)

$\dfrac{250mL}{8hr} = 31\,gtt/min$ (B)

7. $2500\,mL + 300\,mL = 2800\,mL$

8. $\dfrac{1000}{90} = \boxed{11\ hours}$ (B) $\qquad \dfrac{90\,mL}{1hr} = 90mL/1hr$ (A)

? ⑨. $\dfrac{500\,mg}{500\,ML} = \dfrac{1mg}{1mL} \qquad 50mL/1hr$

10. $80\,mL/hr$ (A) $\qquad$ Set pump 60 min @ 75mL/1hr
$\qquad\qquad\qquad\qquad\quad$ 90min $\quad 75 \times 60/90 = 50\,mL/1hr$ (B)

11. $3/4 \times 150\,mL = 112.5$ isocal
$150mL - 112.5mL = 37.5\,mL$ Water

12. $\frac{1}{2} \times 500\,mL = 250$ Vivonex
$500mL - 250mL = 250\,mL$ water

13. $\frac{1}{4} \times 400mL = 100\,mL$ Osmolite
$400mL - 100 = 300mL$ water

14. $500\,mL$ isocal
$0\,mL$ water