1. $\frac{350mg}{25\ mL} \times \frac{14mg}{1mL}$ **yes**

2. $\frac{18mg}{10mL} =$ **1.8mg/mL**

3. $\frac{200mg}{1\ kg} \times \frac{6000mg}{30\ kg}$ **B, 1,200mg Q4hr**

$\frac{300mg}{1\ kg} \times \frac{9,000mg}{30\ kg}$

4. $\frac{50mg}{1\ kg} \times \frac{*1000mg}{20\ kg}$ **yes**

$\frac{75mg}{1\ kg} \times \frac{1500mg}{20\ kg}$

5. $\frac{50mg}{1\ kg} \times \frac{1000mg}{20\ kg}$ **yes**

total = 1400mg daily

$\frac{75mg}{1\ kg} \times \frac{1500mg}{20\ kg}$

6. $\frac{40mg}{1kg}$ $\frac{1200mg}{30kg}$ **B - 400mg Q8hr**

7. $\frac{25mL}{0.5\,hr} =$ **50 mL/hr**

8. $\frac{80mg}{1kg} \times \frac{520mg}{6.5kg}$ (daily) 260mg BID

$\frac{90mg}{1kg} \times \frac{585mg}{6.5kg}$ (daily) 292.5 BID

recommended range is 260mg - 293mg Q12hr

$\frac{(275mg)(5mL)}{250mg} =$ **5.5 mL Q12hr**

9. $\frac{50mg}{1kg} \times \frac{750mg}{15kg}$ (daily) 375mg (Q12)

$\frac{75mg}{1kg} \times \frac{1,125mg}{15kg}$ (daily) 563mg (Q12)

C, dose exceeds recommended range

10. $\frac{40mg}{1kg} \times \frac{640mg}{16kg}$ Q8hr

A

$\frac{25mL}{0.5hr} = 50mL/hr$

$\frac{25mL}{0.25hr} = 100mL/hr$

11. $\frac{50mL}{1hr} = 50mL/hr$

$\frac{50mL}{0.67hr = 40min} = 75mL/hr$

C: $\frac{50mL}{0.5hr = 30min} = 100mL/hr$

$\frac{50mL}{0.31hr = 18min} = 160mL/hr$