

# MED MATH - Lindsey Lambert

①  $\frac{350 \text{ mg}}{25 \text{ ml}} \rightarrow \frac{14 \text{ mg}}{1 \text{ ml}}$  range 10-40 mg/ml so **yes**

②  $\frac{18 \text{ mg}}{10 \text{ mL}} \rightarrow \frac{1.8 \text{ mg}}{1 \text{ mL}}$  **1.8 mg concentration**

③  $\frac{200 \text{ mg}}{\times 30 \text{ Kg}} - \frac{300 \text{ mg}}{\times 36 \text{ Kg}}$   
 $6,000 \text{ mg/Kg} - 9,000 \text{ mg/Kg}$   
 $1200 \times 6 = 7,200 \text{ mg}/24$  **B**

④  $\frac{50 \text{ mg}}{\times 20 \text{ Kg}} - \frac{75 \text{ mg}}{\times 20 \text{ Kg}}$   
 $1000 - 1500 \text{ mg/Kg/day}$  **yes, in range**

⑩  $16 \times 40 = 640$  ✓ w/in range **A**  
 $\frac{640 \text{ mg}}{25 \text{ ml}} \frac{25.6}{1 \text{ mL}}$  ✓ w/in concentration  
 $20 \times 2 = 30 \text{ min inf.}$

⑤  $700 \text{ mg} \times 2 = 1400 \text{ mg/day}$  **yes, in range.**

⑪  $50 \text{ ml}$  in 20-30 min **C**  
 $100 \text{ ml}$  in 1 hr

⑥  $40 \text{ mg} \times 30 \text{ Kg} = 1200 \text{ mg/day}$  **B**

⑦ **50 ml / hr** = 25 ml / 30 min

⑧  $\frac{80 - 90}{\times 4.5 \quad \times 4.5}$   
 $\frac{520 - 585 \text{ mg/day}}{2}$  **260 mg - 292.5 mg / q12**  
**admin 5.5 mL**

$\frac{275 \text{ mg}}{\rightarrow 5.5 \text{ mL}} \frac{250}{5 \text{ mL}}$

⑨  $\frac{50 - 75}{\times 15}$   
 $\frac{750 - 1125 \text{ mg/day}}{2}$   
 $375 - 562.5 \text{ mg} / \text{q12}$  **C**