

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 ml in 20-30 min **C**
 100 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 $\frac{50 - 75}{\times 15}$
 $\frac{750 - 1125 \text{ mg/day}}{2}$ **C**
 $375 - 562.5 \text{ mg / q12}$