

24) $\frac{\text{mL}}{\text{Dose}} \left| \frac{1\text{mL}}{0.4\text{mg}} \cdot \frac{0.15\text{mg}}{\text{Dose}} = \frac{0.15}{0.4} = 0.375 = 0.38\text{ mL SQ Dose}$

25) $\frac{\text{mL}}{\text{Dose}} \left| \frac{1\text{mL}}{40\text{mcg}} \cdot \frac{50\text{mcg}}{\text{Dose}} = \frac{50}{40} = 1.25 = 1.3\text{ mL Dose}$

26) $\frac{\text{mL}}{\text{Dose}} \left| \frac{1\text{mL}}{200\text{mcg}} \cdot \frac{1\text{mg}}{1000\text{mcg}} \cdot \frac{100\text{mcg}}{\text{Dose}} = \frac{100}{200000} = 0.0005\text{ mL} = \text{none}$

27) $\frac{\text{mL}}{\text{Dose}} \left| \frac{10\text{mL}}{1,000,000\text{U}} \cdot \frac{200,000\text{U}}{\text{Dose}} = \frac{2000000}{1,000,000} = 2\text{ mL Dose}$

28) $\frac{\text{mL}}{\text{Dose}} \left| \frac{1\text{mL}}{0.5\text{mg}} \cdot \frac{0.08\text{mg}}{\text{Dose}} = \frac{0.08}{0.5} = 0.16\text{ mL Dose}$

29) $\frac{\text{mL}}{\text{Dose}} \left| \frac{5\text{mL}}{500\text{mg}} \cdot \frac{1000\text{mg}}{1\text{g}} \cdot \frac{0.15\text{g}}{\text{Dose}} = \frac{750}{500} = 1.5\text{ mL Dose}$

30) $\frac{\text{mL}}{\text{Dose}} \left| \frac{5\text{mL}}{250\text{mg}} \cdot \frac{100\text{mg}}{\text{Kg}} \cdot \frac{1\text{Kg}}{2.2\text{lb}} \cdot \frac{52\text{lb}}{\text{Pt}} = \frac{26,000}{550} = 47.2727 \text{ (A)} \Rightarrow 47.3\text{ mL 1st Dose}$

31) $\frac{\text{mL}}{\text{Dose}} \left| \frac{5\text{mL}}{250\text{mg}} \cdot \frac{50\text{mg}}{\text{Kg/day}} \cdot \frac{\text{Day}}{3\text{days}} \cdot \frac{1\text{Kg}}{2.2\text{lb}} \cdot \frac{52\text{lb}}{\text{Pt}} = \frac{13000}{1650} = 7.8787 \text{ (B)} \Rightarrow 7.9\text{ mL each following Dose}$

32) $\frac{\text{mg}}{\text{Day}} \left| \frac{50\text{mg}}{\text{Kg/day}} \cdot \frac{1\text{Kg}}{2.2\text{lb}} \cdot \frac{52\text{lb}}{\text{Pt}} = \frac{2600}{2.2} = 1,181.82\text{ mg in a Day after 1st Dose}$

33) $\frac{\text{mL}}{\text{Dose}} \left| \frac{5\text{mL}}{125\text{mg}} \cdot \frac{5\text{mg}}{\text{Kg/day}} \cdot \frac{1\text{Kg}}{2.2\text{lb}} \cdot \frac{23\text{lb}}{\text{Pt}} \cdot \frac{\text{Day}}{4\text{days}} = \frac{575}{1100} = 0.52272727 \Rightarrow 0.52\text{ mL Dose}$

34) $\frac{\text{mL}}{\text{Dose}} \left| \frac{5\text{mL}}{125\text{mg}} \cdot \frac{100\text{mg}}{\text{Kg/day}} \cdot \frac{\text{Day}}{4\text{Doses}} \cdot \frac{1\text{Kg}}{2.2\text{lb}} \cdot \frac{23\text{lb}}{\text{Pt}} = \frac{11500}{1100} = 10.454545 \Rightarrow 10.5\text{ mL a Dose}$

35) $\frac{\text{mg}}{\text{Dose}} \left| \frac{100\text{mg}}{\text{Kg/day}} \cdot \frac{\text{Day}}{4\text{Doses}} \cdot \frac{1\text{Kg}}{2.2\text{lb}} \cdot \frac{23\text{lb}}{\text{Pt}} = \frac{2300}{8.8} = 261.3636 = 261.36\text{ mg in one Dose}$

38) $\frac{\text{mL}}{\text{Dose}} \left| \frac{2\text{mL}}{80\text{mg}} \cdot \frac{3\text{mg}}{\text{Kg/day}} \cdot \frac{\text{Day}}{3\text{Doses}} \cdot \frac{1\text{Kg}}{2.2\text{lb}} \cdot \frac{240\text{lb}}{\text{Pt}} = \frac{1440}{528} = 2.72727 \Rightarrow 2.7\text{ mL Dose}$

the numbers 1000000 and 1000000 are the numbers in the denominator