

Proficiency Test 3

1. $20\text{mg} \cdot \frac{15\text{mL}}{30\text{mg}} = \frac{300}{30} = 10\text{mL}$
2. $80\text{mg} \cdot \frac{5\text{mL}}{125\text{mg}} = \frac{400}{125} = 3.2\text{mL}$
3. $0.02\text{g} \cdot \frac{1\text{tab}}{10\text{mg}} \cdot \frac{1000\text{mg}}{1\text{g}} = \frac{20}{10} = 2\text{tab}$
4. $0.5\text{g} \cdot \frac{1\text{capsule}}{250\text{mg}} \cdot \frac{1000\text{mg}}{1\text{g}} = \frac{500}{250} = 2\text{capsules}$
5. $0.5\text{mg} \cdot \frac{1\text{tab}}{0.25\text{mg}} = \frac{0.5}{0.25} = 2\text{tab}$
6. $40\text{mg} \cdot \frac{5\text{mL}}{5\text{mg}} = \frac{200}{5} = 40\text{mL}$
7. $75\text{mg} \cdot \frac{1\text{tab}}{50\text{mg}} = \frac{75}{50} = 1.5\text{tab}$
8. $40\text{mg} \cdot \frac{1\text{tab}}{80\text{mg}} = \frac{40}{80} = 0.5\text{tab}$
9. $0.125\text{mg} \cdot \frac{1000\text{mcg}}{1\text{mg}} \cdot \frac{10\text{mL}}{500\text{mcg}} = \frac{1250}{500} = 2.5\text{mL}$