

Braydon  
Revelal  
Pharm

### Test 3

$$1) \frac{20 \text{ mEq}}{30 \text{ mEq}} \times 15 \text{ mL} = 10 \text{ mL}$$

$$2) \frac{5 \text{ mL}}{100 \text{ mg}} \frac{80 \text{ mg}}{1} = \frac{80}{20} = 4 \text{ mL}$$

$$3) \frac{20 \text{ mg}}{10 \text{ mg}} \times 1 \text{ tab} = 2 \text{ tablets}$$

$$4) \frac{500 \text{ mg}}{250 \text{ mg}} \times 1 = 2 \text{ capsules}$$

$$5) \frac{1 \text{ tablet}}{0.250 \text{ mg}} \frac{0.500 \text{ mg}}{1} = 2 \text{ tablets}$$

$$6) \frac{5 \text{ mL}}{5 \text{ mg}} \frac{40 \text{ mg}}{1} = 5 \times 8 = 40 \text{ mL}$$

$$7) \frac{1 \text{ tab}}{50 \text{ mg}} 75 \text{ mg} = 1.5 \text{ tablets}$$

$$8) \frac{1 \text{ tab}}{80 \text{ mg}} 40 \text{ mg} = 0.5 \text{ tablet}$$

$$a.) \frac{10 \text{ mL}}{500 \text{ mcg}} \frac{0.125 \text{ mg}}{1} \frac{1000 \text{ mcg}}{1 \text{ mg}} = 2.5 \text{ mL}$$

$$b.) \frac{10 \text{ mL}}{50 \text{ mcg}} \frac{75 \text{ mg}}{1} = 15 \text{ mL}$$

$$11.) \frac{1 \text{ tab}}{2 \text{ mg}} \frac{5 \text{ mg}}{1} = \frac{5}{2} = 2.5 \text{ tablets}$$

$$12.) \frac{150 \text{ mcg}}{300 \text{ mcg}} = 0.5 \text{ tablet}$$

$$13.) \frac{375 \text{ mg}}{250 \text{ mg}} = 1.5 \text{ tablets}$$

$$14.) \frac{1 \text{ tab}}{300 \text{ mg}} \frac{0.6}{1} \frac{1000 \text{ mg}}{1 \text{ g}} = 0.2 + 10 = 2 \text{ tablets}$$

$$15.) \frac{8 \text{ mL}}{1 \text{ mg}} \frac{1.5 \text{ mg}}{1} = 8 \times 1.5 = 12 \text{ mL}$$

$$16.) \frac{5 \text{ mL}}{12.5 \text{ mg}} \frac{25 \text{ mg}}{1} = 5 \times 2 = 10 \text{ mL}$$

$$17.) \frac{60 \text{ mg}}{10 \text{ mg}} \times 0.6 \text{ mL} = 0.9 \text{ mL}$$

$$18.) \frac{500 \text{ mg}}{250 \text{ mg}} \times 5 \text{ mL} = 10 \text{ mL}$$

$$19.) \frac{5 \text{ mL}}{50 \text{ mg}} \frac{15 \text{ mg}}{1} = 1.5 \text{ mL}$$

~~5 x 12~~

$$20.) \frac{5 \text{ mL}}{25 \text{ mg}} \frac{50 \text{ mg}}{1} = 10 \text{ mL}$$

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$$1.) \frac{1 \text{ mL}}{250 \text{ mg}} \frac{1000 \text{ mg}}{1 \text{ g}} 0.5 \text{ g} = 2 \text{ mL IM}$$

$$2.) \frac{20 \text{ mL}}{40 \text{ mEq}} \frac{10 \text{ mEq}}{1} = 5 \text{ mL IV}$$

$$3.) \frac{1 \text{ mL}}{0.25 \text{ mg}} \frac{0.5 \text{ mg}}{1} = 2 \text{ mL IM}$$

$$4.) \frac{2 \text{ mL}}{0.2 \text{ g}} \frac{1 \text{ g}}{1000 \text{ mg}} \frac{100 \text{ mg}}{1} = 1 \text{ mL}$$

$$5.) \frac{1 \text{ mL}}{100 \text{ mg}} \times 50 \text{ mg} = 0.5 \text{ mL IM}$$

$$6.) \frac{2 \text{ mL}}{0.5 \text{ mg}} \times \frac{0.25 \text{ mg}}{1} = 1 \text{ mL IM}$$

$$7.) \frac{1 \text{ mL}}{0.4 \text{ mg}} \times 0.3 \text{ mg} = 0.8 \text{ mL SQ}$$

$$8.) 1 \times = 1 \text{ mL SQ}$$

$$9.) \text{20 mL IV}$$

$$10.) \frac{5 \text{ mL}}{2000 \text{ mg}} \times \frac{10000 \text{ mg}}{1 \text{ g}} \times 0.1 \text{ g IM} = 2.5 \text{ mL IM}$$

$$11.) \frac{1 \text{ mL}}{50000 \text{ units}} \times \frac{400000 \text{ units}}{1} = 0.8 \text{ mL IM}$$

$$12.) \frac{2 \text{ mL}}{0.5 \text{ mg}} \times 0.5 \text{ mg} = 2 \text{ mL IM}$$

$$13.) 2 \text{ mL IV}$$

$$14.) \frac{2 \text{ mL}}{100 \text{ mg}} \times 75 \text{ mg} = 1.5 \text{ mL IM}$$

$$16) \frac{1 \text{ mL}}{100 \text{ mg}} \times \frac{35 \text{ mg}}{1} = 0.4 \text{ mL IM}$$

$$17.) \frac{1 \text{ mL}}{64 \text{ mg}} \times \frac{0.6 \text{ mg}}{1} = 1.5 \text{ mL SQ}$$

$$18.) \frac{2 \text{ mL}}{0.2 \text{ g}} \times \frac{0.15 \text{ g}}{1} = 1.5 \text{ mL IM}$$