

Ch. 4 Self Test 1

Notarize 2.

1. $1.5 \text{ mg} \times \frac{\text{tab}}{0.75 \text{ mg}} = \underline{2 \text{ tablets}}$

2. $0.25 \text{ mg} \times \frac{\text{tab}}{0.5 \text{ mg}} = \underline{0.5 \text{ tablet}}$

3. $0.5 \text{ g} \times \frac{\text{capsule}}{250 \text{ mg}} \times \frac{1000 \text{ mg}}{\text{g}} = \underline{2 \text{ capsules}}$

4. $10 \text{ mg} \times \frac{\text{tab}}{2.5 \text{ mg}} = \underline{4 \text{ tablets}}$

5. $650 \text{ mg} \times \frac{\text{tab}}{325 \text{ mg}} = \underline{2 \text{ tablets}}$

6. $20 \text{ mg} \times \frac{\text{capsule}}{10 \text{ mg}} = \underline{2 \text{ capsules}}$

7. $10 \text{ mg} \times \frac{\text{tab}}{2.5 \text{ mg}} = \underline{4 \text{ tablets}}$

8. $200,000 \text{ u} \times \frac{\text{tab}}{400,000 \text{ u}} = \underline{0.5 \text{ tablet}}$

9. $0.5 \text{ mg} \times \frac{\text{tab}}{0.25 \text{ mg}} = \underline{2 \text{ tablets}}$

10. $18.75 \text{ mg} \times \frac{\text{tab}}{12.5 \text{ mg}} = \underline{1.5 \text{ tablets}}$

11. $300 \text{ mg} \times \frac{\text{tab}}{200 \text{ mg}} = \underline{1.5 \text{ tablets}}$

12. $0.3 \text{ mg} \times \frac{\text{tab}}{0.1 \text{ mg}} = \underline{3 \text{ tablets}}$

$$13. 6.25\text{mg} \times \frac{\text{tab}}{25\text{mg}} = \frac{0.25 \text{ tablet}}{1/4}$$

$$14. 400\text{mcg} \times \frac{\text{tab}}{0.2\text{mg}} \times \frac{\text{mg}}{1000\text{mcg}} = \underline{2 \text{ tablets}}$$

$$15. 7.5\text{mg} \times \frac{\text{tab}}{5\text{mg}} = \underline{1.5 \text{ tablets}}$$

$$16. 0.625\text{mg} \times \frac{\text{tab}}{1.25\text{mg}} = \underline{0.5 \text{ tablet}}$$

$$17. 0.5\text{g} \times \frac{\text{tab}}{250\text{mg}} \times \frac{1000\text{mg}}{\text{g}} = \underline{2 \text{ tablets}}$$

$$18. 37.5\text{mg} \times \frac{\text{tab}}{25\text{mg}} = \underline{1.5 \text{ tablets}}$$

$$19. 1\text{g} \times \frac{\text{capsule}}{500\text{mg}} \times \frac{1000\text{mg}}{\text{g}} = \underline{2 \text{ capsules}}$$

$$20. 25\text{mg} \times \frac{\text{tab}}{10\text{mg}} = \underline{2.5 \text{ tablets}}$$

Ch 8 Self Test 2

1. $\frac{20\text{lbs}}{2.2\text{lbs}} = 9.09\text{kg}$

$9.09 \times 20 = 181.8\text{mg/day}$

$9.09 \times 40 = 363.6\text{mg/day}$

$60 \times 3 = 180\text{mg/day}$

order is safe.

$60\text{mg} \times \frac{5\text{mL}}{125\text{mg}} = \underline{2.4\text{mL}}$

2. $\frac{29\text{lbs}}{2.2\text{lbs}} = 13.18\text{kg}$

$13.18 \times 40 = 527.2\text{mg/day}$

$175\text{mg} \times 3 = 525\text{mg/day}$

order is safe.

$175\text{mg} \times \frac{5\text{mL}}{125\text{mg}} = \underline{7\text{mL}}$

3. order is safe

$200 \times 3 = 600\text{mg/day}$

$200\text{mg} \times \frac{5\text{mL}}{125\text{mg}} = \underline{8\text{mL}}$

4. literature says a 6 year old child should get 4 tablets (320mg). The order only has an 80mg tablet. Verify order with provider

5. The literature states the child can receive 1 to 2.5 mg im 3 to 4 times a day. The order is for 1 mg which is safe. However the order states q 3-4h which is 6-8 doses per day. The nurse needs to verify the frequency w/ provider.

$$1\text{mg} \times \frac{1\text{mL}}{5\text{mg}} = \underline{0.2\text{mL}}$$

6. $0.05 \times 14 = 0.7\text{mg}$
 $0.2 \times 14 = 2.8\text{mg}$
The dose is safe.
1 mL

7. $0.1 \times 30 = 3\text{mg}$
 $0.2 \times 30 = 6\text{mg}$
The dose is safe.
15 mL

8. $\frac{4816}{2.2} = 21.82\text{ kg}$

$$100 \times 21.82 = 2182\text{ mg}$$
$$200 \times 21.82 = 4364\text{ mg}$$

$$\frac{2182}{4} = 545.5\text{ mg}$$

$$\frac{4364}{4} = 1091\text{ mg}$$

The dose is too low.

9. $30 \times 10 = 300\text{mg}$
The dose is safe.

$$300\text{mg} \times \frac{5\text{mL}}{100\text{mg}} = \underline{15\text{mL}}$$

$$\frac{10.802}{1.6 \cdot 2} = 6.516$$

$$\frac{12.5}{2.2} = 5.68\text{ kg}$$

$$5.68 \times 4 = 22.7\text{ mg}$$

$$5.68 \times 8 = 45.44\text{ mg}$$

The dose is too high.

Ch 5. Proficiency Test 1

Natalie 2

$$1. 0.1g \times \frac{3mL}{200mg} \times \frac{1000mg}{g} = \underline{1.5mL}$$

$$2. 5mg \times \frac{mL}{15mg} = \underline{0.33mL}$$

$$3. 25mg \times \frac{2mL}{50mg} = \underline{1mL}$$

$$4. \underline{20u \text{ total}}$$

5u of regular insulin drawn up first then 15u of NPH insulin.

$$5. 20mg \times \frac{10mL}{40mg} = \underline{5mL}$$

$$6. 0.6mg \times \frac{mL}{0.4mg} = \underline{1.5mL}$$

$$7. 0.8mg \times \frac{mL}{0.4mg} = \underline{2mL}$$

$$8. 0.25g \times \frac{mL}{250mg} \times \frac{1000mg}{g} = \underline{1mL}$$

$$9. 200mg \times \frac{2mL}{500mg} = \underline{0.8mL}$$

$$10. 1:100 = 1g/100mL$$

$$7.5mg \times \frac{100mL}{1g} \times \frac{1g}{1000mg} = \underline{0.75mL}$$

$$11. 10mg \times \frac{mL}{5mg} = \underline{2mL}$$

$$12. 25mg \times \frac{2mL}{100mg} = \underline{0.5mL}$$

$$13. 50mg \times \frac{mL}{25mg} = \underline{2mL}$$

$$14. 0.5 \text{ mg} \times \frac{\text{mL}}{\text{mg}} = \underline{0.5 \text{ mL}}$$

$$15. 0.2 \text{ g} \times \frac{2 \text{ mL}}{200 \text{ mg}} \times \frac{1000 \text{ mg}}{\text{g}} = \underline{2 \text{ mL}}$$