Dosage Module Practice Problem Answers

1. The doctor orders Xanax 1 mg po. The stock supply of Xanax is 0.5mg/tab. How many tablets will you give for the correct dose?

\[
tabs = \frac{1\text{mg}}{0.5\text{mg}} \times 1\text{mg} = 2\text{tabs}
\]

**Answer:** 2 tablets

2. The doctor orders Versed 1.5mg IV. The dose on hand is 5mg/mL. How many mL’s will you administer for the correct dose?

\[
\text{mL} = \frac{1\text{mg}}{5\text{mg}} \times 1.5\text{mg} = 0.3\text{mL}
\]

**Answer:** 0.3mL

3. The doctor orders ¾ gr of a drug po q 3-4 h prn p. The stock supply is 30mg-scored tablets. How many tablets will you give for the correct dose?

\[
tabs = \frac{1\text{tab}}{30\text{mg}} \times \frac{60\text{mg}}{1\text{gr}} \times 0.75\text{gr} = 1.5\text{tabs}
\]

**Answer:** 1.5 tablets

4. The doctor orders Methotrexate 1mg/kg IV. The dose of hand is Methotrexate 25mg/mL. The patient weighs 100 lbs. How many mL will you administrate for the correct dose?

\[
\text{mL} = \frac{1\text{mg}}{25\text{mg}} \times \frac{1\text{mg}}{1\text{kg}} \times \frac{1\text{kg}}{2.2\text{lbs}} \times \frac{100\text{lbs}}{1} = 1.8\text{mL}
\]

**Answer:** 1.8 mL

5. The doctor orders Lanoxin 10 mcg/kg IM. The stock supply is Lanoxin 0.25mg/mL. Patient weighs 115 lbs. How many mL will you administer for the correct dose?

\[
\text{mL} = \frac{1\text{mg}}{0.25\text{mg}} \times \frac{1\text{mg}}{1000\text{mcg}} \times \frac{10\text{mcg}}{1\text{kg}} \times \frac{1\text{kg}}{2.2\text{lbs}} \times \frac{115\text{lbs}}{1} = 2.1\text{mL}
\]

**Answer:** 2.1mL
6. The order a patient to have a 0.45mg dose. The vial is labeled 350mcg/mL. How many mL will you administer for the correct dose.

\[
mL = \frac{1\text{mL}}{350\text{mcg}} \times \frac{1000\text{mcg}}{1\text{mg}} \times \frac{0.45\text{mg}}{1} = 1.3\text{mL}
\]

**Answer:** 1.3mL

7. The stock supply on hand is 600 mg/5mL. You need to prepare a doctors order of 0.2g. How many mL will you give for the correct dose?

\[
mL = \frac{5\text{mL}}{600\text{mg}} \times \frac{1000\text{mg}}{1\text{g}} \times \frac{0.2\text{g}}{1} = 1.7\text{mL}
\]

**Answer:** 1.7mL

8. The doctor order Keflex 750mg q 6 hour IM. The stock supply is Keflex 2g/5mL. How many mL will you administer for the correct dose?

\[
mL = \frac{5\text{mL}}{2\text{g}} \times \frac{1\text{g}}{1000\text{mg}} \times \frac{750\text{mg}}{1} = 1.9\text{mL}
\]

**Answer:** 1.9 mL