

Module 1-10 questions Module 2-10 questions Worksheet

8. The patient is to receive metoprolol 5mg for chest pain. The drug is supplied as 20mg/5mL. How many mL will you give? (Do not round your final answer)

$$5\text{mg} \times \frac{5\text{mL}}{20\text{mg}} = \boxed{1.25\text{mL}}$$

9. The order is to give midazolam 2mg IV now. The drug is supplied as 10mg/mL. How many mL will you give?

$$2\text{mg} \times \frac{1\text{mL}}{10\text{mg}} = \boxed{0.20\text{mL}}$$

10. Infuse Doripenem 500mg IV over 8 hrs. The drug is supplied as 500mg/100mL. The drip factor is 60. How many gtt/min will you infuse?

$$\text{gtt/min} = \frac{\text{total volume (mL)} \times \text{drip factor (gtt/mL)}}{\text{total time (mins)}} = \frac{(100\text{mL}) (60\text{gtt/mL})}{480\text{min}} = 12.50 = \boxed{13\text{gtt/min}}$$