

Module 1-10 questions Module 2-10 questions Worksheet

Name Whitney Cloud

1. Infuse ceftriaxone 1 gram over 45 minutes. The drug is supplied as 1gram/50ml. The drip factor is 15. How many gtt/min will you infuse?

$$\frac{50 \text{ mL (15)}}{45 \text{ min}} = \boxed{17 \text{ gtt/min}}$$

2. The physician writes an order to give 1000mL of normal saline over 8hrs. How many mL/hr will you infuse?

$$\boxed{125 \text{ mL/hr}}$$

3. Infuse vancomycin hydrochloride 1.5 gram over 3 hours. The drug is supplied as 1.5 gram/250mL. The drip factor is 15. How many gtt/min will you infuse?

$$\frac{250 \times 15}{180} = \boxed{21 \text{ gtt/min}}$$

4. An order has been written to give cefazolin 1gram over 30 minutes. The drug is supplied as 1 gram/50mL. The gtt factor is 60. How many gtt/min will you infuse?

$$\frac{50 \times 60}{30} = \boxed{100 \text{ gtt/min}}$$

5. The nurse is to give Ciprofloxacin 500mg IV over 1 hr. The drug is supplied as 1gram/250mL. The gtt factor is 15. How many gtt/min will you infuse?

$$\frac{125 \times 15}{60} = \boxed{31 \text{ gtt/min}}$$

6. An order is received for Fentanyl 75mcg IV now. The drug is supplied as 100mcg/2mL.

How many mL will you give?

$$\frac{75}{x} = \frac{100}{2} \quad \boxed{1.5 \text{ mL}}$$

7. Infuse 1000 mLs normal saline over 4 hrs. How many mL/hr will you set on the pump?

$$\boxed{250 \text{ mL/hr}}$$

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)

$$\boxed{1.25 \text{ mL}}$$

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

0.2 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?

$$\frac{100 \times 60}{480} = 12.5 \text{ gtt/min}$$