Nursing Math
Intravenous
Flow Rate Calculation

1. Flow rates are set by counting the number of drops falling per _____________ in the drip chamber

2. IV tubing are calibrated in gtt/___________________

Directions: Use any method you wish to calculate the following flow rates.

3. A rate of 140 mL/hr using a set calibrated at 20 gtt/mL. ________________

4. A rate of 130 mL/hr using a set calibrated at 10 gtt/mL. ________________

5. A volume of 2000 mL to infuse in 16 hr using a 15 gtt/mL set. ________________

6. A volume of 2500 mL to infuse in 24 hr. The set is calibrated at 20 gtt/mL. ________________

7. A medication volume of 20 mL to be administered in 20 min using a 20 gtt/mL set. ________________

8. You discover that an IV is running ahead of schedule and must slow it down. 725 mL remain and the IV has an additional 6 hours to run. The set in use is a 10 gtt/mL. What is the new rate? ________________

9. 1000 mL were to run over 6 hr. After 3 hr only 425 mL have infused. The set being used is 15 gtt/mL. Calculate a new flow rate to complete on time. ________________

10. What is the chief concern associated with IV’s that run ahead of or behind schedule?