9. From 0700 to 1600 the nurse calculates the patient's total intravenous fluid intake as $\boxed{1}$ milliliters. An IV is infusing at 150 mL/hour. At 1200, the patient will receive IVPB of 75 mL for 30 minutes. What is the total amount the patient will receive during this time?

$150 \times 9 = 2000$
$+ 75 \times 2$

1350

10. Administer 5 milligrams of acyclovir in 75 milliliters of normal saline over 15 minutes. The nurse will set the IV pump at $\boxed{1}$ mL/hour.

$60 \div 15 = 4$

300 ← 75×4

11. Phenytoin (Dilantin), 7,000,000 mcg PO, is ordered to be given through a nasogastric tube. Phenytoin is available as 5,000 mg / 18 mL. How much would the nurse administer? Round to a whole number.

25 ← $\dfrac{7000 \times 18}{5} =$

12. Solumedrol 1.5 mg/kg is ordered for a patient weighing 74.8 lb. Solumedrol is available as 125 mg / 2mL. How many mL should the nurse administer?

$1.5 \times (74.8 \div 2.2) = 51 mg$

0.82 ← $\dfrac{51 \times 2}{125}$

13. Give patient 24.4 mg of dopamine in 363 mL of D5W to be infused at a rate of 9,818 mcg/hr. Calculate the flow rate in mL/hr.

$(363 / 24.4)$

146.1

$9.818 mg$

14. Give patient 10.1 mg of dopamine in 251 mL of D5W to be infused at a rate of 6 mg/hr. Calculate the flow rate in mL/hr.

149.1 ← $251 / (10.1 / 6)$

15. Ordered Lasix 12,000,000 mcg IV push now. Available: 0.025 kg in 15 mL. How much will the nurse draw up?

25,000,000

0.025000000
    g   mg   mcg

7.2 ← $\dfrac{12,000,000 \times 15}{25\,000\,000\ mcg}$