

6. Medication order: Cephalexin 375 mg PO tid. How many grams will the patient receive each 24 hours?

"3x"

$$375 \text{ mg} (3) = 1125 \text{ mg}$$

$$1125 \text{ mg} \rightarrow \text{g} = "S + L" = \boxed{1.125 \text{ g}} \rightarrow \boxed{1.1 \text{ g}}$$

7. Medication order: Unipen 750 mg IM q6h
 Available: Unipen add 4 mL sterile water to make 1 g/2.5 mL
 How many mL of the reconstituted solution will you administer?

$$D = 750 \text{ mg}$$

$$H = 1 \text{ g} \rightarrow \text{mg} = "L + S" = 1000 \text{ mg}$$

$$V = 2.5 \text{ mL}$$

$$\frac{D}{H} (V) \rightarrow X, \frac{750 \text{ mg}}{1000 \text{ mg}} (2.5 \text{ mL}) = 1.875$$

$$\approx \boxed{1.9 \text{ mL}} \text{ per dose}$$

$$24 \text{ hrs} / 6 = 4 \rightarrow 1.9 \text{ mL} (4) = \boxed{7.6 \text{ mL total}}$$

8. Medication order: Zaroxolyn 7.5 mg PO bid. Available: Zaroxolyn 5 mg tablets. How many tablets will you administer?

$$D = 7.5 \text{ mg}$$

$$H = 5 \text{ mg}$$

$$V = 1 \text{ tablet}$$

$$\frac{D}{H} (V) \rightarrow X, \frac{7.5 \text{ mg}}{5 \text{ mg}} (1) = 1.5$$

"Not scored tablet"

$$\approx \boxed{2 \text{ tablets}}$$

9. Medication order: Erythromycin 125 mg via gastric tube tid.
 Available: Erythromycin 250 mg/5 mL
 How many mL will you administer?

$$D = 125 \text{ mg}$$

$$H = 250 \text{ mg}$$

$$V = 5 \text{ mL}$$

$$\frac{D}{H} (V) \rightarrow X, \frac{125 \text{ mg}}{250 \text{ mg}} (5 \text{ mL}) = \boxed{2.5 \text{ mL}}$$

10. Medication order: Capoten 100 mg. Available: Capoten 0.1 g tablets.
 How many tablets will you administer?

$$D = 100 \text{ mg}$$

$$H = 0.1 \text{ g} \rightarrow \text{mg} = "L + S" = 100 \text{ mg}$$

$$V = \text{tablets}$$

$$\frac{D}{H} (V) \rightarrow X, \frac{100 \text{ mg}}{100 \text{ mg}} (1) = \boxed{1 \text{ tablet}}$$

11. Change 128 oz to L. Round final answer to a whole number.

$$1 \text{ oz} = 30 \text{ mL}$$

$$128 \text{ oz} (30 \text{ mL}) = 3840 \text{ mL} \rightarrow \text{L} = "S + L" = 3840 = \boxed{3.8 \text{ L}}$$

$$\approx \boxed{4 \text{ L}}$$

12. Medication order: heparin 2500 units/hr. Drug available: heparin 20,000 units in 250 mL D5W. At what rate will you set your pump?

$$D = 2500 \text{ units}$$

$$H = 20,000 \text{ units}$$

$$V = 250 \text{ mL}$$

$$\frac{D}{H} (V) \rightarrow X, \frac{2500}{20,000} (250 \text{ mL}) = 31.25 \approx ? \rightarrow \boxed{31}$$