

## DC #2

$$1. \frac{100 \text{ ml}}{1 \text{ hr}} \times \frac{10 \text{ gtt}}{1 \text{ ml}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \begin{array}{l} 16.6\bar{6} \text{ gtt/min} \\ 16.7 \text{ gtt/min} \\ 17 \text{ gtt/min} \end{array}$$

$$2. \begin{array}{l} D = 1 \text{ g} \\ H = 1 \text{ g} \\ V = 150 \text{ mL} \\ Q = 150 \text{ mL} / 30 \text{ min} = 5 \text{ mL} \end{array} \quad \therefore 150 \text{ mL} \times 2 = 300 \text{ mL} / 1 \text{ hour}$$

$$? 3. \begin{array}{l} D = 20 \text{ mg} \\ H = 25 \text{ mg} \\ V = 1 \text{ mL} \\ Q = 0.8 \text{ mL} \end{array}$$

$$4. \begin{array}{l} D = 3 \text{ mg} \\ H = 5 \text{ mg} \\ V = 1 \text{ mL} \\ Q = 0.6 \text{ mL} \end{array}$$

$$5. \begin{array}{l} D = 5000 \text{ units} \\ H = 10,000 \text{ units} \\ V = 2 \text{ mL} \\ Q = 1 \text{ mL / dose} \quad 2 \text{ mL / day} \end{array}$$

6.  $D = 200 \text{ mg}$

$H = 300 \text{ mg}$

$V = 2 \text{ mL}$

$Q = \boxed{1.3 \text{ mL}} / \text{dose}$

7.  $D = \cancel{80 \text{ mg}}$       $\cancel{130 \text{ min}}$

$H = \cancel{\quad}$

$V = \cancel{\quad}$

$Q = \quad$

$50 \text{ mL} \times 2 = 100 \text{ mL} / \text{hour}$

8.  $1500 \text{ mL} / 125 \text{ mL} = \boxed{12 \text{ hours}}$

9.

Same as # 2

10.  $600 \text{ mL} / 75 \text{ mL} = \boxed{8 \text{ hours}}$

K H D <sup>g, L, m</sup> D C m <sub>3</sub> m

11. D = 100 mg

H = 20 mg

V = 1 mL

Q = 5 mL

12.  $\frac{85.8 \text{ lbs}}{2.2 \text{ lbs}} = 39 \text{ kg} \times 50 \text{ mg} = \boxed{1950 \text{ mg/day}}$

13. D = 2.5 mL

H = 5 mL

V = 250 mg

Q = 125 mg/dose 375 mg/day

14. D = 2 mg/kg = 0.066  $\frac{2.2 \text{ lbs}}{1 \text{ kg}} \frac{66 \text{ lbs}}{2.2} = 30 \text{ kg}$

$30 \text{ kg} \times 2 \text{ mg} = 60 \text{ mg} = \boxed{0.06 \text{ g}}$

15. 5 mL NS + 5 mL = 10 mL

$20 \text{ mg} / 10 \text{ mL} = \boxed{2 \text{ mL}}$