g, L, m

KHD DCM m

3

DC #3

1. $\frac{25000 \text{ units}}{500 \text{ mL}} \quad \frac{4000 \text{ units}}{x} = \boxed{80 \text{ mL}}$

2. $\frac{10 \text{ mcg}}{\cancel{\text{min}}} \cdot \frac{60 \cancel{\text{min}}}{1 \text{ hr}} \cdot \frac{250 \text{ mL}}{8000 \text{ mcg}} = \boxed{18.75 \text{ mL/hour}}$

8 mcg = 8000 mcg

3. $\frac{25 \text{ mg}}{1 \text{ hr}} \cdot \frac{250 \text{ mL}}{1000 \text{ mg}} = \boxed{6.25 \text{ mL/hour}}$ mL/hour

1 gm = 1000 mg

4. 75 units / 125 mL = $\boxed{0.6 \text{ units} / 1 \text{ mL}}$

5. D = 750 mg
   H = 1 gm = 1000 mg
   V = 2.5 mL
   Q = 1.875 mL = $\boxed{1.9 \text{ mL}}$

6. 250 mL x 2 = $\boxed{500 \text{ mL/hour}}$

g, L, m

K H D D C m m
3

7. $\frac{250\ mg}{2.5\ mL} \quad \frac{x}{3.5\ mL} = 350\ mg$

8. D = 60 mg
H = 100 mg
V = 1 mL
Q = **0.6 mL**

9. 0700 - 1600 = 9 hours
150 mL x 8.5 = 1275 mL
75 mL
1350 mL

10. 75 mL x 4 = **300 mL / hour**

11. D = 7,000,000 mcg
H = 5000 mg = 5000 000
V = 18 mL
Q = 25.2 mL = **25 mL**

12. D = 1.5 mg / Kg = 51 mg
H = 125 mg
V = 2 mL
Q = **0.82 mL**

$\frac{2.2\ lbs}{1\ Kg} \quad \frac{74.8\ lbs}{x} = 34\ Kg$

g, L, m

K H D D C M m, m^3

13. $\frac{9.818\ mg}{x} \quad \frac{24.4\ mg}{363\ mL} = \boxed{146.1\ mL/hour}$

14. $\frac{16.1\ mg}{251\ mL} \quad \frac{6\ mg}{x} = \boxed{149.1\ mL/hour}$

15. D = 012,000,000 mcg = 0.012 Kg
H = 0.025 Kg
V = 15 mL
Q = $\boxed{7.2\ mL}$