

K H D ^{g, L, m} D cm ¹/₃ m

1. 10mg / 5ml

5ml = 1tsp

12tsp = x ml

$$\frac{5\text{ml}}{1\text{tsp}} = \frac{x\text{ml}}{12\text{tsp}} = 60\text{ml}$$

$$\frac{60\text{ml}}{x\text{mg}} = \frac{5\text{ml}}{10\text{mg}} = \boxed{120\text{mg}}$$

2. 10mcg / Kg

2.2 lbs = 1 Kg

D = 800mcg / min

$\boxed{12000\text{mcg}}$

~~$$\frac{80\text{kg}}{x\text{lbs}} = \frac{1\text{kg}}{2.2\text{lbs}}$$~~

3. 40mg / Kg / day

2.2 lbs = 1Kg

40 x 15.9 kg = 636mg

$$\frac{2.2\text{lbs}}{x} = \frac{35\text{lbs}}{15.9}$$

636mg / 6doses = $\boxed{106\text{mg/dose}}$ 1 Kg

4. 1.5mcg / Kg

2.2 lbs

$$\frac{36.3\text{lbs}}{x} = 16.5\text{kg}$$

1.5mcg x 16.5kg = 24.75 ¹/_{mcg} Kg

24.75mcg → mg

• 0.02475mg ?

K H D ^{g, L, m} D C m m
3

5. 180 mg / 5 mL PCN 21 tsp = x mg

$$\frac{5 \text{ mL}}{1 \text{ tsp}} \cdot x = 105 \text{ mL} \quad \frac{180 \text{ mg}}{5 \text{ mL}} \cdot x = \boxed{3780 \text{ mg}}$$

6. $375 \times 3 = 1125 \text{ mg}$

$$1125 \text{ mg} = \boxed{1.125 \text{ g}}$$

7. D = 750 mg

H = 1g = 1000 mg

V = 2.5 mL

Q = $\boxed{1.9 \text{ mL}}$

8. D = 7.5 mg 2x

H = 5 mg

V = tablet

Q = $\boxed{1.5 \text{ tablets}}$

9. D = 125 mg 3x

H = 250 mg

V = 5 mL

Q = $\boxed{2.5 \text{ mL}}$

R H D ^{g, L, m} P C m ₃ m

10. D = 100 mg

H = 0.1 g = 100 mg

V = tablets

Q = 1 tablet

11. 128 oz → L = 3.840 mL = 4

$$\frac{30 \text{ mL}}{1 \text{ oz}} \times \frac{x}{128 \text{ oz}} = 3.840 \text{ mL}$$

12. D = 2500 units/hr.

H = 20,000 units

V = 250 mL

Q = 31.25

13. 300,000 units/mL ~~300,000 units~~

x 2.5 mL

750,000 units

14. D = 0.15 mg

H = 0.4 mg

V = 1 mL

Q = 0.375 mL

15. D = 0.4 mg

H = 5 mg

V = 10 mL

Q = 0.8 mL