

$$\frac{D}{H} \times Q =$$

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Med Math #1 Pg. 121

1. $\frac{20\text{mg}}{30\text{mg}} \times 15\text{mL} = 10\text{mL}$

11. $\frac{5\text{mg}}{2\text{mg}} \times 1\text{ tab} = 2.5\text{ tabs}$

2. $\frac{80\text{mg}}{125\text{mg}} \times 5\text{mL} = 3.2\text{mL}$

12. $0.15\text{mg} \times 1000 = 150\text{mcg} \times 1\text{tab} = 0.5\text{tab}$
 300mcg

3. $\frac{20\text{mg}}{10\text{mg}} \times 1\text{tab} = 2\text{ tabs}$

13. $\frac{375\text{mg}}{250\text{mg}} \times 1\text{tab} = 1.5\text{ tabs}$

4. $0.5\text{g} \times 1000 = 500\text{mg} \times 1\text{cap} = 2\text{ caps}$
 250mg

14. $0.6 \times 1000 = 600\text{mg} \times 1\text{tab} = 2\text{ tabs}$
 300mg

5. $\frac{0.50\text{mg}}{0.25\text{mg}} \times 1\text{tab} = 2\text{ tabs}$

15. $\frac{1.5\text{mg}}{1\text{mg}} \times 8\text{mL} = 12\text{mL}$

6. $\frac{40\text{mg}}{5\text{mg}} \times 5\text{mL} = 40\text{mL}$

16. $\frac{25\text{mg}}{12.5\text{mg}} \times 5\text{mL} = 10\text{mL}$

7. $\frac{75\text{mg}}{50\text{mg}} \times 1\text{tab} = 1.5\text{ tabs}$

17. $\frac{60\text{mg}}{40\text{mg}} \times 0.6\text{mL} = 0.9\text{mL}$

8. $\frac{40\text{mg}}{80\text{mg}} \times 1\text{tab} = 0.5\text{ tab}$

18. $0.5 \times 1000 = 500\text{mg} \times 5\text{mL} = 10\text{mL}$
 250mg

9. $0.125\text{mg} \times 1000 = 125\text{mcg} \times 10\text{mL} = 2.5\text{mL}$
 500mcg

19. $\frac{15\text{mg}}{50\text{mg}} \times 5\text{mL} = 1.5\text{mL}$

10. $\frac{15\text{mg}}{50\text{mg}} \times 10\text{mL} = 15\text{mL}$

20. $\frac{50\text{mg}}{25\text{mg}} \times 5\text{mL} = 10\text{mL}$

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$$9. \frac{1 \text{ mL}}{50 \text{ mg}} \times 1000 \text{ mg} = \underline{20 \text{ mL}}$$

$$1. 0.5 \text{ g IM} \times 1000 = \frac{500 \text{ mg/mL} \times 1 \text{ mL}}{250 \text{ mg/mL}} = \underline{2 \text{ mL IM}}$$

$$10. 0.1 \text{ g} \times 1000 = \frac{100 \text{ mg IM} \times 5 \text{ mL}}{200 \text{ mg}} = \underline{2.5 \text{ mL}}$$

$$2. \frac{10 \text{ mEq IV} \times 20 \text{ mL}}{40 \text{ mEq}} = \underline{5 \text{ mL IV}}$$

$$11. \frac{400,000 \text{ units IM} \times 1 \text{ mL}}{500,000 \text{ units}} = \underline{0.8 \text{ mL}}$$

$$3. 0.5 \text{ mg} \times 1000 = \frac{500 \text{ mg}^{\text{IM}} \times 1 \text{ mL}}{250 \text{ mg}} = \underline{2 \text{ mL IM}}$$

$$12. \frac{0.5 \text{ mg IM} \times 2 \text{ mL}}{0.5 \text{ mg}} = \underline{2 \text{ mL}}$$

$$4. \frac{100 \text{ mg IM} \times 2 \text{ mL}}{0.2 \text{ g} \times 1000 = 200 \text{ mg}} = \underline{1 \text{ mL IM}}$$

$$13. \frac{1 \text{ mL}}{500 \text{ mg}} \times 1000 \text{ mg} = \underline{2 \text{ mL}}$$

$$5. \frac{20 \text{ mg IM} \times 1 \text{ mL}}{100 \text{ mg}} = \underline{0.5 \text{ mL IM}}$$

$$14. \frac{75 \text{ mg IM} \times 2 \text{ mL}}{100 \text{ mg}} = \underline{1.5 \text{ mL}}$$

$$6. 0.25 \text{ mg} \times 1000 = \frac{250 \text{ g IM} \times 2 \text{ mL}}{0.5 \text{ mg} \times 1000 = 500 \text{ g}} = \underline{1 \text{ mL}}$$

$$15. \frac{100 \text{ mL} \times 15 \text{ mg}}{1000 \text{ mg}} = \underline{1.5 \text{ mL}}$$

$$7. 0.3 \text{ mg} \times 1000 = \frac{300 \text{ g IM} \times 1 \text{ mL}}{0.4 \text{ mg} \times 1000 = 400 \text{ g}} = \underline{0.75 \text{ mL}}$$

$$16. \frac{35 \text{ mg IM} \times 4 \text{ mL}}{100 \text{ mg}} = \underline{0.35 \text{ mL}}$$

$$8. 1 \text{ mL} = \frac{1000 \text{ mL}}{0.001 \text{ mg}} \times 1 \text{ mg} = \underline{1 \text{ mL}}$$

$$17. \frac{0.6 \text{ mg sub} \times 1 \text{ mL}}{0.4 \text{ mg}} = \underline{1.5 \text{ sub mL}}$$

$$18. 0.15 \text{ g} \times 1000 = \frac{150 \text{ mg} \times 2 \text{ mL}}{0.2 \text{ g} \quad 200 \text{ mg}} = \underline{1.5 \text{ mL}}$$