

pg 121 per-calc test 3

1) O - 20mg in juice BID
S - liquid in bottle 30mg per 5ml = 2mg/ml = give 10ml - one dose BID

2) O - 80mg po qid
S - liquid in bottle 125mg/5ml = 25mg/ml = give 3.2ml

3) O - 0.02g po BID
S - tab 10mg $\frac{1000mg}{1g} \cdot \frac{0.02g}{1} = 20mg = \underline{2 \text{ tablets}}$

4) O - 0.5g po qid
S - 250mg capsule $\frac{1000mg}{1g} \cdot \frac{0.5g}{1} = 500mg = \underline{2 \text{ capsules}}$

5) O - 0.5mg
S - tab 0.2mg = 2 tabs

6) O - 40mg
S - 5mg/5ml = 1mg/ml = 40ml

7) O - 70mg
S - 50mg tab = 1 1/2 tab

8) O - 40mg
S - tab 80mg = 1/2 tabs

9) O - 0.125mg
S - 500mcg/10ml = 50mcg/ml = 2.5ml $\frac{0.125mg}{1mg} \cdot \frac{1000mcg}{1mg} = 125$

10) O - 70mg
S - 50mg/10ml = 5mg/ml = 14ml

$$11) O - 5mg \quad S - 2mg \text{ tabs} = \boxed{2.5 \text{ tabs}}$$

$$12) O - 0.15mg \quad S - 300mg \text{ tab} = 150mg = \boxed{1/2 \text{ tabs}}$$

$$13) O - 375mg \quad S - 250mg \text{ tab} = \boxed{1.5 \text{ tabs}}$$

$$14) O - 0.6g \quad S - 300mg \text{ tab} = 600mg = \boxed{2 \text{ tabs}}$$

$$15) O - 1.5mg \quad S - 1mg/8mL \quad \frac{1mg}{8mL} \times \frac{8mL}{1.5mg} = \boxed{12mL}$$

$$16) O - 25mg \quad S - 125mg/5mL \quad \frac{25mg}{125mg/5mL} = \boxed{10mL}$$

$$17) O - 60mg \quad S - 40mg/0.6mL \quad \frac{60mg}{40mg/0.6mL} = \boxed{0.9mL}$$

$$18) O - 0.5g \quad S - 250mg/5mL = 50mg/mL \quad \frac{0.5g}{50mg/mL} = \boxed{10mL}$$

$$19) O - 15mg \quad S - 50mg/5mL \quad \frac{15mg}{50mg/5mL} = \boxed{1.5mL}$$

$$20) O - 5mg \quad S - 25mg/5mL = \boxed{10mL}$$

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Mental problems

Rarely
Rare

proficiency test 1

- 1) 2ml
- 2) 5ml
- 3) 2ml
- 4) 1ml
- 5) 0.5ml
- 6) 1ml
- 7) 0.5ml
- 8) 1ml
- 9) 20ml
- 10) 2.5ml

- 11) 0.8ml
- 12) 2ml
- 13) 2ml
- 14) 1.5ml
- 15) 1.5ml
- 16) 0.35ml → 0.4ml
- 17) 0.5ml
- 18) 15ml

Solution → 1000 ratios or ?

13) 1g
S- 50% solution

15) 0-15mg
S- 1:100 solution
1g to 100mc

50% solution
1g in 100
1g in 2ml

6-1g
S- 5% solution
5g in 100ml
1g in 20