

**Calculate the desired dose and then calculate the amount to administer in the following exercises**

1. Ordered: Valium 3 mg IV stat

On hand: Valium 10 mg/2 mL

Amount to administer: \_\_\_\_\_

Ans: 0.6 ml valium

2. Ordered: Dilantin 25 mg IV q8h

On hand: Dilantin 100 mg/2 mL ampule

Amount to administer: \_\_\_\_\_

Ans: 0.5ML q 8

3. Ordered: ciprofloxacin 500 mg p.o. q12h

On hand: ciprofloxacin 250 mg tablets

Amount to administer: \_\_\_\_\_

Ans: 2 tabs po q 12

4. Ordered: Lanoxin 0.125 mg p.o.q.i.d.

On hand: Lanox in 0.25 mg tablets

Amount to administer: \_\_\_\_\_

Ans: 1/2 tab po qid

5. Ordered: Diabinese 0.1g p.o.q.d.

On hand: Diabinese 100 mg tablets

Amount to administer: \_\_\_\_\_

Ans: 0.001 p.o.q.d **1 tablet**

6. Ordered: sulfisoxazole (Gantrisin) 1g q.d.

On hand: sulfisoxazole (Gantrisin) 250 mg per tablet

Amount to administer: \_\_\_\_\_

Ans: 0.004 q.d **4 tablets**

8. Ordered: Prilosec-Dr 20 mg p.o.q.d.

On hand: Prilosec-Dr 10 mg capsules

Amount to administer: \_\_\_\_\_

Ans: 2 capsules po qd

10. Ordered: Vistaril 10 mg p.o.q.i.d.

On hand: Vistaril 25 mg per 5 mL

Label: 120 ml Amount to administer: 5mg/ ml

**2 mL**

1. A physician's order reads: Biaxin 150 mg p.o. b.i.d. Calculate the amount to administer.

Ans:

$$150 / (125/5)$$

$$= 150 / 25$$

$$= 6 \text{ mg/ ml } 6 \text{ mL}$$

2. In some cases, the patient may receive 400 mg once a day. Calculate the *amount to administer* for this dose.

Ans:

$$400 / (125/5)$$

$$= 400 / 25$$

$$= 16 \text{ mg / ml } 16 \text{ mL}$$

SCORE = 22.5/30