

Medication Worksheet N321

(each worth 1 point)

50 mcg = 0.05 mg

1000 mg = 1 g

0.03 g = 30 mg

1 g = 1,000 mg

1 fl oz = 30 mL

1 tbsp = 15 mL

1 tsp = 5 mL

30 mL = 1 fl oz

3 tsp = 15 mL

1L = 1,000 mL

(Each problem worth 2 points)



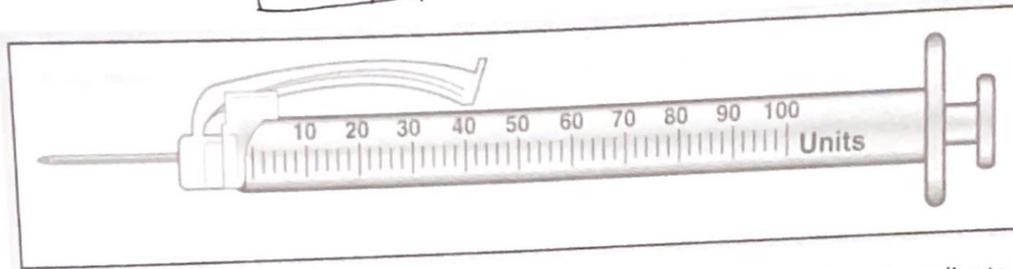
1. The provider orders Digoxin elixir 0.25 mg BID. Using the picture, how many mLs will be given with each dose? (round to whole number if needed)

2.
$$\frac{0.25 \text{ mg}}{1 \text{ dose}} \times \frac{2.5 \text{ mL}}{0.125 \text{ mg}} = \boxed{5 \text{ mL/dose}}$$



2. Using the picture above how many teaspoons will you be giving?

2 tsp



3. The provider orders Regular insulin of 56 units. The nurse draws insulin in the syringe. According to the picture is the insulin drawn up correctly?

No, its at 60 units



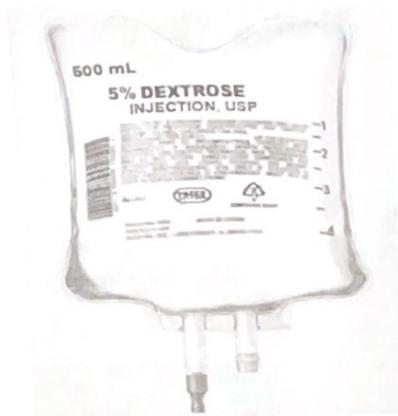
4. The provider orders Epoetin 8000 units subq on Tuesday, Thursday & Saturday. How much will be drawn using the picture above per dose? (Round to nearest tenth if needed)

$$1 \frac{8,000 \text{ units}}{1 \text{ dose}} \times \frac{1 \text{ mL}}{20,000 \text{ units}} = 0.4 \text{ mL/dose}$$



$$\frac{500 \text{ mL}}{6 \text{ HRS}} = \boxed{83.3 \text{ mL/hr}}$$

5. The provider orders intravenous fluids for 6 hours. The picture above is your bag of fluids to be hung. How many mL/hr will you run this order? (Round to the nearest tenth)

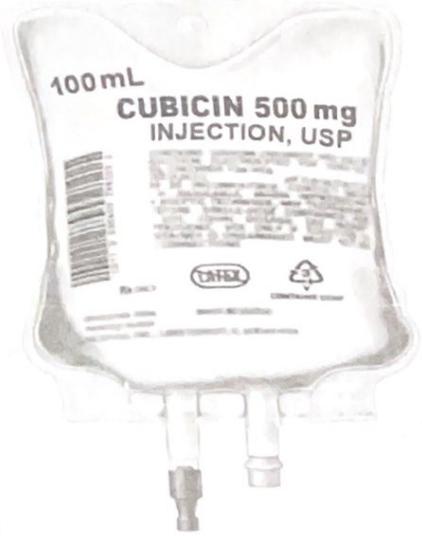


6. The provider Orders the fluids above to run at 50mL/hr.
- How long will bag run in hours $\boxed{10 \text{ hours}}$
 - If bag started at 0800 what time will infusion be complete? (Military time) $\boxed{1800}$

a. ~~$\frac{500 \text{ mL}}{50 \text{ mL/hr}} = 10 \text{ HRS}$~~

10
a. $\frac{500 \text{ mL}}{50 \text{ mL/hr}} = \frac{10 \text{ HRS}}{10 \text{ HRS}}$

★



$$\frac{500 \text{ mg}}{100 \text{ mL}} \times \frac{2}{60 \text{ min}} = \frac{1}{6} \text{ mL/min}$$
$$\frac{1}{6} \text{ mL/min} \times 60 \text{ min/hr} = 1 \text{ mL/hr}$$

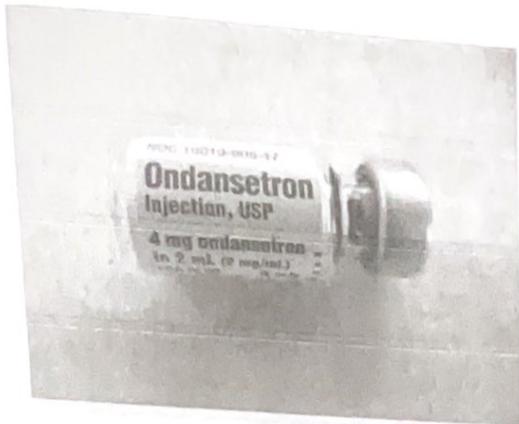
$$\boxed{1200 \text{ mL/hr}}$$

7. Provider orders Cubicin 500 mg to run in 30 min. Using picture above what mL/hr should be set?



$$\frac{20 \text{ mg}}{1 \text{ dose}} \times \frac{4 \text{ mL}}{40 \text{ mg}} = \boxed{2 \text{ mL/dose}}$$

8. The provider orders furosemide 20 mg IV BID. Using the picture how many mL will need to be drawn up per dose?

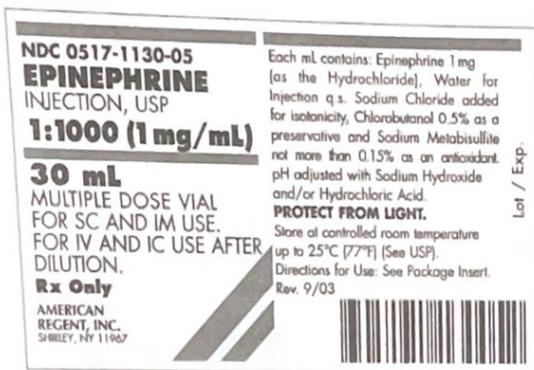


$$\frac{24 \text{ mg}}{1 \text{ dose}} \times \frac{1 \text{ mL}}{2 \text{ mg}} = 2 \text{ mL/dose}$$

~~$$2 \times 24 = 142 \text{ mL/day}$$~~

$$2 \times 3 = \boxed{6 \text{ mL/day}}$$

9. The provider orders ondansetron 4mg TID. How many mL will you give in a 24 hour period?



~~$$\frac{1 \text{ mg}}{1 \text{ dose}} \times \frac{1 \text{ mL}}{30 \text{ mg}} = 130 \text{ mL/dose}$$~~

10. The provider orders 1mg epinephrine. How many mL will be drawn up per dose?

$$\frac{1 \text{ mg}}{1 \text{ dose}} \times \frac{1 \text{ mL}}{1 \text{ mg}} = \boxed{1 \text{ mL/dose}}$$

ROUND ORANGE
TABLET
Side 1: 029
Side 2: R

This Drug May
Impair The Ability
To Drive Or Operate
Machinery. Use Care
Until You Become
Familiar With Its
Effects.

Do Not Take Other
Medicines Without
Checking With Your
Doctor Or
Pharmacist.

CALVIN MATHER

353 SUWANEE AVE SARASOTA, FL 34243

DATE: 07/09/11

ALPRAZOLAM 0.5MG TABLETS

MFG ACTAVIS - SUBSTITUTED FOR XANAX 0.5MG TABLETS

**TAKE 1 TABLET BY MOUTH
UP TO 3 TIMES DAILY**

RX **0493567-64430**

EXPIRATION DATE 07/09/12

QTY **90**

NO REFILLS - DR. AUTH REQUIRED

Walgreens

3535 N TAMiami TRAIL, SARASOTA, FL 34234

(941) 360-3474

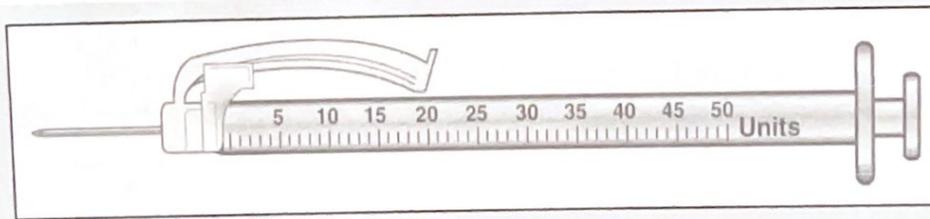
029/029/YAK/YAK

CAUTION: FEDERAL LAW PROHIBITS THE TRANSFER OF THIS DRUG TO
ANY PERSON OTHER THAN THE PATIENT OR WHOM IT WAS PRESCRIBED - RX ONLY



11. According to this drug label answer the questions?

- a. When is the discard date? *7/9/12*
- b. The imprint is on medications to identify, see example below, what is this medication imprint using above picture? *Round orange tablet showing side 1 and 2*



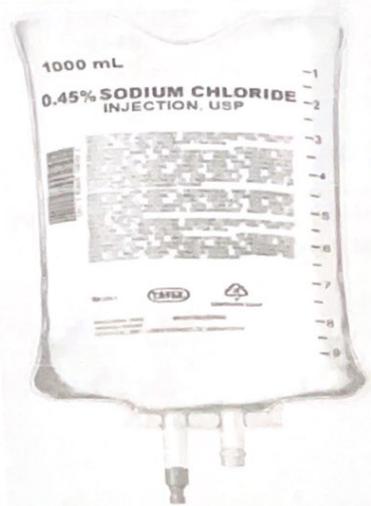
12. The provider orders 25 units of regular insulin and 10 units of NPH insulin. How much would you draw up into the syringe?

$$25 + 10 = \boxed{35}$$



$$\frac{500 \text{ mL}}{6 \text{ HR'S}} \times \frac{10 \text{ gtts}}{1 \text{ mL}} \times \frac{1 \text{ HR}}{60 \text{ mins}}$$
$$= 13.8 \rightarrow \boxed{14 \text{ gtts/min}}$$

13. The provider orders this bag to be hung for 6 hours using a drip rate of 10 gtts/mL. How many gtt/min would the pump be set? (Round to the whole number)



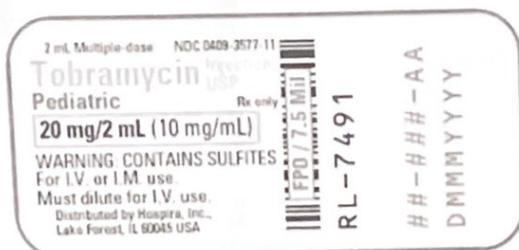
$$\frac{1,000 \text{ mL}}{12 \text{ HR'S}} \times \frac{20 \text{ gtts}}{1 \text{ mL}} \times \frac{1 \text{ HR}}{60 \text{ mins}}$$
$$= 27.7 \rightarrow \boxed{28 \text{ gtts/min}}$$

14. The provider order 0.45 to be given over 12 hours using a drip rate of 20gtts/mL. The infusion pump will be set at how many gtts/min? (Round to the whole number)



$$\frac{1,000 \text{ mg}}{1 \text{ dose}} \times \frac{1 \text{ mL}}{330 \text{ mg}} = \boxed{3 \text{ mL/dose}}$$

15. The provider orders 1g IM. The nurse reconstitutes a 1g vial of cefazolin with sterile water to yield a final concentration of 330 mg/mL. How many mL should the nurse administer? (Round to the whole number)



16. The provider orders Tobramycin 4mg/kg/dose. The picture is what you have on hand. How many mL will be needed to give? Weight is 60 kg. (round to whole number if needed)

$$12 \frac{240 \text{ mg}}{\text{dose}} \times \frac{2 \text{ mL}}{10 \text{ mg}} = \boxed{24 \text{ mL/dose for } 60 \text{ kg}}$$



$$1 \text{ kg} = 2.2 \text{ pounds}$$

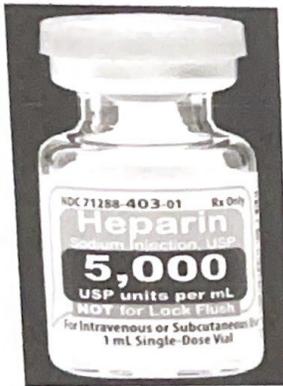
$$121 \text{ pounds} = 55 \text{ kg}$$

$$\frac{50 \text{ mg}}{\text{dose}} \times \frac{20 \text{ mL}}{500 \text{ mg}}$$

$$= 22 \text{ mL/dose}$$

~~Handwritten scribbles and crossed-out calculations, including: 10 mg/kg x 55 kg, 121 pounds = 55 kg, 10 mg/kg x 55 kg = 550 mg, 550 mg x 20 mL / 500 mg = 22 mL.~~

17. Provider orders 10 mg/kg of Acyclovir. The patient weighs 121 lbs. How many mL will you administer per dose? (Round



$$50 \times 93 = 4,650 \text{ units}$$

$$\frac{4,650 \text{ units}}{1 \text{ dose}} \times \frac{1 \text{ mL}}{5,000 \text{ units}} = \frac{0.93 \text{ mL/dose}}{\text{or } 1 \text{ mL/dose}}$$

18. Provider orders Heparin 50 units/kg/dose subcutaneous daily. The patient weighs 93 kg. What you have on hand is the picture above. How many mL/dose will you administer?

Blood glucose (mg/dL)	Insulin (units)
61-150	0
151-200	3
201-250	5
251-300	8
301-350	10
351-400	12
>400	15*

*Physician should be contacted.

Physician should be contacted (15 units insulin)

19. According to this chart. The client blood sugar is 404 mg/dl. What is the next step?



$$\frac{1,000 \text{ mL}}{10 \text{ HRS}} = 100 \text{ mL/hr}$$

20. The provider orders 1L of 0.9 NS to run over 10 hours. How many mL/hr will the infusion pump be set?

100 mL/hour

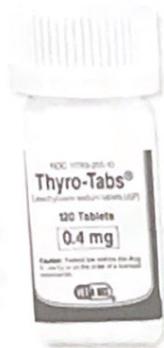
21. The client had 8oz of water, 4 oz of juice, 500 mL of 0.9 NS, and 4oz of coffee. How much intake do you record?

$$\begin{array}{r}
 102 = 30 \text{ mL} \\
 + 240 \text{ mL} \\
 + 120 \text{ mL} \\
 + 500 \text{ mL} \\
 + 120 \text{ mL} \\
 \hline
 990 \text{ mL}
 \end{array}$$



0.5 L

22. The patient received 500 mL of lactated ringers. How many Liters did the patient receive?



$$\frac{2}{0.4 \text{ mg}} \times \frac{1 \text{ tab}}{0.2 \text{ mg}} = 2 \text{ tablets}$$

23. A client is ordered 0.4 mg Thyroxine. Each tablet contains 200 mcg. How many tablets will you administer?

See Package Insert for Complete Prescribing Information.

Store at Controlled Room Temperature 15°-30°C (59°-86°F).

PROTECT FROM MOISTURE
PROTECT FROM LIGHT

Dispense in a tight, light-resistant container as defined in the USP/NF.

TABLETS IDENTIFIED
54 583

NDC 0054-4299-25 100 Tablets

40 mg

FUROSEMIDE
Tablets USP

Each tablet contains Furosemide 40 mg.
Rx only

Roxane
Laboratories, Inc.
Columbus, Ohio 43216

LOT EXP. 4167101 050

24. The provider orders 20mg PO of furosemide BID. Using the picture how many tablets will you give?

$$\frac{1 \cancel{2}0 \text{ mg}}{1 \text{ dose}} \times \frac{1 \text{ tab}}{2 \cancel{4}0 \text{ mg}} = 0.5 \times 2 = \boxed{1} \text{ tablet total}$$

↑
Per dose

NDC 0002-4115-60 60 Tablets No. 4115

ZyPREXA
Olanzapine
Tablets

5 mg

Do not use if neck wrap or inner seal is broken.

Rx only

zyprexa.com Lilly

Keep tightly closed. Store at controlled room temperature, 20° to 25°C (68° to 77°F) [see USP]. See accompanying literature for dosage. Dispense in a tight, light-resistant container.

3 0002-4115-60 6

25. The provider orders Zyprexa 10 mg PO once a day. Using picture how many tablets will you give?

$$\frac{2 \cancel{1}0 \text{ mg}}{1 \text{ dose}} \times \frac{1 \text{ tab}}{\cancel{5} \text{ mg}} = \boxed{2 \text{ tablets}}$$