

Math Bootcamp Brush Up

1. A 45-year-old female patient is prescribed drug X 0.5 mg orally. However, the pharmacy dispensed drug X as 0.25 mg tablets. The nurse must administer the correct dose of 0.5 mg. How many tablets of drug X 0.25 mg should the nurse give to the patient?

_____ Tab(s)

2. The physician orders a “now” dose of a 45 mg IM injection for the patient. You have on hand 60 mg/2 mL of the drug. How many milliliters should the nurse administer to the patient?

_____ mL(s)

3. 0.015 mg/kg IVP is ordered. The patient weighs 150 pounds. The nurse has on hand 4 mg/mL of the drug. How many milliliters should the nurse administer?

Record your answer using two decimal places.

_____mL(s)

4. A patient is admitted to the emergency department with severe dehydration after spending several hours in the hot sun at an outdoor event. The physician orders

2,000 mL of normal saline to be infused over the next 4 hours. The IV tubing has a drop factor of 15. How many milliliters per hour will you set on a controller?

Round your final answer to a whole number.

_____ mL(s)/hr

5. The doctor orders 0.5 mg of Drug X for a patient. The available dosage is 2 mg/mL. How many mL should the nurse give?

Record your answer using two decimal places

_____ mL(s)

6. A patient requires 2 liters of IV fluid over 8 hours. How many milliliters per hour should the IV be set to deliver?

Round to nearest whole number

_____ mL(s)/hr

7. A patient is to receive 1000 mL of IV fluid over 4 hours. The drop factor is 15 gtt/mL. How many drops per minute should the IV be set to?

Round to nearest whole number

_____ gtts/min

8. A patient is to receive 500 mL of IV fluid over 2 hours. The drop factor is 10 gtt/mL. How many drops per minute should the IV be set to?

Round to nearest whole number

_____ gtt/min

9. A patient is prescribed 750 mg of a medication. The medication is available in 250 mg tablets. How many tablets should the nurse administer?

_____ Tab(s)

10.



The image shows a label for Fluconazole for Oral Suspension USP. The label includes the following information:

- STORAGE Before Reconstitution:** Store at 20° to 25°C (68° to 77°F). [See USP Controlled Room Temperature.] **After Reconstitution:** Store suspension at 5° to 25°C (41° to 77°F). Protect from freezing.
- SHAKE WELL BEFORE EACH USE. DISCARD UNUSED PORTION AFTER 2 WEEKS.**
- MIXING DIRECTIONS:** Tap bottle lightly to loosen powder. Add 24 mL of distilled water or Purified Water (USP) to the bottle. Shake well.
- USUAL DOSAGE:** See Package Insert for Complete Prescribing Information.
- Distr. by:** West-Ward Pharmaceuticals Corp. Eatontown, NJ 07724
- NDC 0054-0003-85** 35 mL when reconstituted
- Fluconazole for Oral Suspension USP**
- 40 mg/mL**
- *each teaspoonful (5 mL) contains 200 mg fluconazole USP when reconstituted.**
- This package contains 1400 mg fluconazole USP in a natural orange-flavored mixture.*
- FOR ORAL USE ONLY.**
- WEST-WARD PHARMACEUTICALS** **Rx only**
- Barcode: 0054-0003-85
- 10001543/06

The healthcare provider has prescribed fluconazole oral suspension 200 mg by mouth daily for 7 days. How many ml will the nurse give to the client per dose? **5mL**

_____ mL per dose

1. 2 tabs
2. 1.5 mL
3. 0.26 mL
4. 500 mLs/hr
5. 0.25 mL
6. 250mL/hr
7. 63gtts/min
8. 42gtts/min
9. 3 tabs
10. 5 mL per dose