

**ATI DOSAGE CALCULATIONS 2023-2024 ACTUAL  
EXAM 230 REAL EXAM QUESTIONS AND CORRECT  
DETAILED ANSWERS (VERIFIED ANSWERS)  
|ALREADY GRADED A+**

A nurse is preparing to administer epinephrine hydrochloride 0.5 mg subcutaneous stat. How many mcg should the nurse administer?

**500 mcg**

A nurse is preparing a medication and calculates the dosage as 1.42 mL. Rounding this amount to the nearest tenth, the nurse should administer how many mL?

**1.4 mL**

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A nurse is preparing to administer glipizide 5 mg PO AC. At which of the following times should the nurse administer the medication?

After meals

**Before meals**

As needed

At bedtime

**Before meals**

A nurse is preparing to administer 0.9% sodium chloride 2,500 mL to infuse over 12 hr. The nurse should administer how many L?

2.5 L

A nurse is preparing to administer dextrose 5% in water 2 L to infuse over 6 hr. The nurse should administer how many mL?

2000 mL

A nurse is preparing to administer digoxin 0.125 mg PO at 9:00 a.m. At which of the following times should the nurse administer the medication?

1500

0900

1700

2100

0900

A nurse is preparing to administer 650 mg of acetaminophen syrup to a client. The amount available is acetaminophen syrup 160mg/5mL. How many tsp should the nurse administer per dose?

4 tsp

A nurse is preparing to administer diphenhydramine 25 mg PO every 6 hr. Available is diphenhydramine syrup 12.5mg/5mL. How many tsp should the nurse administer per dose?

2 tsp

A nurse is preparing the administer cephalexin 500 mg PO every 6 hr. Available is cephalexin suspension 250mg/5mL. How many mL should the nurse administer per dose?

10 mL

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A nurse is preparing to administer dexamethasone 0.3 mg/kg PO divided in equal doses every 12 hr to a school-age child who weighs 50 lb. Available is dexamethasone oral solution 0.5 mg/5 mL. How many mL should the nurse administer per dose? (Round the answer to the nearest whole number.)

34 mL

A nurse is caring for a preschool-age child who weighs 18 kg. What is the child's daily maintenance fluid requirement? (Round the answer to the nearest whole number.)

1400 mL/day

A nurse is preparing to administer furosemide 2 mg/kg/dose PO every 8 hr to an infant who weighs 12 lb. Available is furosemide oral solution 10 mg/mL. How many mL should the nurse administer per dose? (Round the answer to the nearest tenth.)

1.10 mL

A nurse is preparing to administer 0.9% sodium chloride (0.9% NaCl) 6 mL/kg IV to infuse over 2 hr to an infant who weighs 8 kg. The nurse should set the IV pump to deliver how many mL/hr? (Round the answer to the nearest whole number.)

24 mL/hr

A charge nurse is reviewing techniques for the safe administration of medications to children with a newly licensed nurse. Which of the following statements should the nurse make?

"Confirm chemotherapy medication dosages using a body surface area nomogram."