



CLOSE

Time Spent: 00:04:35

Calculator

Case studies

A nurse is calculating the flow rate of 0.9% NaCl IV by continuous infusion. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR and flow sheet. Round the answer to the nearest whole number.)

83

Step 1
What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)
 $X \text{ mL} =$

Step 2
Find the ratio in the item that contains the same unit as the unit being calculated. (Place the ratio on the right side of the equation, ensuring that the unit in the numerator matches the unit being calculated.)
 $X \text{ mL} = \frac{500 \text{ mL}}{6 \text{ hr}}$



CLOSE

Time Spent: 00:08:30

Calculator

Case studies

A nurse is calculating the dosage of albuterol sulfate. How many milliliters should the nurse place in the nebulizer?

(Review the MAR, flow sheet, and medication label. Round the answer to the nearest tenth.)

20 mL with calibrated dropper
5 mg/mL

Albuterol Sulfate, USP Solution for Inhalation, 0.5%

*Potency expressed as albuterol

ATTENTION PHARMACIST: Double-check patient's instructions for use* from package insert and dispense with solution.

Rx only

0.5



CLOSE

Time Spent: 00:23:55

Calculator

Case studies

Diabetes Leukopenia **Pediatric Asthma** Acute MI Advanced Alzheimer's Disease Bipolar

Pediatric Ear Infection/Dehydration Preeclampsia AIDS

Pediatric Asthma

Relevant Modules:
Safe Dosage, Medication Administration, Oral Medications, Injectable Medications, IV Medications, Dosage by Weight



CLOSE

Time Spent: 00:12:37

Calculator

Case studies

A nurse is calculating the dosage of acetaminophen. Available is acetaminophen liquid 160 mg/5 mL. How many milliliters should the nurse administer?

(Review the MAR and flow sheet. Round the answer to the nearest tenth.)

8

Step 1
What is the unit of measurement the nurses should calculate? (Place the unit of measure being calculated on the left side of the equation.)
 $X \text{ mL} =$

Step 2
Find the ratio in the item that contains the same unit as the unit being calculated. (Place the ratio on the right side of the equation, ensuring that the unit in the numerator matches the unit being calculated.)
 $X \text{ mL} = \frac{5 \text{ mL}}{160 \text{ mg}}$



CLOSE

Time Spent: 00:15:15

Calculator

Case studies

Close X

A nurse is calculating the dosage of ondansetron. Available is ondansetron injection 2 mg/mL. How many milliliters should the nurse administer?

(Review the MAR and flow sheet. Round the answer to the nearest tenth. Measure the correct dose of the medication by dragging the syringe. Then click "Submit.")



1.3

This syringe holds up to 3 mL and is appropriate for administering this medication because the dose is less than 3 mL. The 3 mL syringe is calibrated 0.1 mL increments with long marks at 0.5 mL increments. The correct dose is three small lines past the longer 1.0 mark.



CLOSE

Time Spent: 00:03:19

Calculator

Case studies

Close X

A nurse is calculating the dosage of cromolyn. How many milliliters should the nurse place in the nebulizer?

(Review the MAR, flow sheet, and medication label. Round the answer to the nearest whole number.)



2

Step 1
What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)
X mL =



CLOSE

Time Spent: 00:09:35

Calculator

Case studies

A nurse is preparing to administer acetaminophen. The recommended dose of acetaminophen is 10 to 15 mg/kg/dose.

How does the prescribed amount compare to the recommended dosage range?

(Review the MAR and flow sheet.)

- A Greater than the recommended dosage range
- B Less than the recommended dosage range
- C Within the recommended dosage range
- D Unable to determine with information provided

Step 1
Look up the recommended dosage.



CLOSE

Time Spent: 00:04:37

Calculator

Case studies

A nurse is calculating the dosage of methylprednisolone sodium succinate. How many milliliters should the nurse administer?

(Review the MAR, flow sheet, and medication label. Round the answer to the nearest hundredth. Measure the correct dose of the medication by dragging the syringe. Then click "Submit.")

