Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight

✖ CLOSE

Time Spent: 00:06:35

Calculator

Case studies

Close ✕

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

| Pedatric Ear Infection/Dehydration | Preeclampsia | AIDS |

Acute MI

Relevant Modules:

Safe Dosage, Medication Administration, Injectable Medications, IV Medications, Dosage by Weight, Critical Care Medications

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Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight

✖ CLOSE

Time Spent: 00:07:03

Calculator

Case studies

Close ✕

Q

A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?

(Review the MAR. Round the answer to the nearest tenth.)

✓ 79.1

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.)

$X \text{ kg } =$

Step 2

ati

Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight

⊗ CLOSE

Time Spent: 00:05:40

Calculator

Case studies

Close ✕

Q

A nurse is calculating a dosage of heparin. Available is heparin 25,000 units in 0.9% NaCl 500 mL. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR. Round the answer to the nearest tenth.)

✓ | 28.5

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.)

$$X \text{ mL/hr} \ =$$

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ati

Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight

⊗ CLOSE

Time Spent: 00:19:23

Calculator

Case studies

Close ✕

Q

A nurse is calculating a dosage of nitroglycerin. Available is nitroglycerin 25 mg in D_5W 250 mL. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR. Round the answer to the nearest tenth.)

✓ | 7.2

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.)

$$X \text{ mL/hr} =$$

🔲 Calculator

Case studies

Close ✕

Q

A nurse is preparing to increase the dosage of nitroglycerin by 5 mcg. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR. Round the answer to the nearest tenth.)

✓ | 10.2 |

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.)

$X \text{ mL/hr} =$

🔲 Calculator

Case studies

Close ✕

Q

A nurse is calculating the flow rate for D_5W fluid bolus. How many mL/hr should the nurse administer?

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

✓ | 250 |

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.)
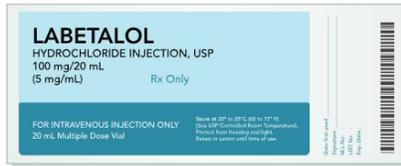
$X \text{ mL/hr} =$

Calculator

Case studies

Close ✕

Q

A nurse is calculating the dosage of labetalol. How many milliliters should the nurse administer?

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

LABETALOL
HYDROCHLORIDE INJECTION, USP
100 mg/20 mL
(5 mg/mL)   Rx Only

FOR INTRAVENOUS INJECTION ONLY
20 mL Multiple Dose Vial

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