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Titrating continuous IV medication infusions



Calculating titrated continuous IV infusions



Activity 3



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IV bolus medications

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Bipolar

Relevant Modules:

Safe Dosage, Medication Administration, Oral Medications, Injectable Medications, IV Medications, Dosage by Weight



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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.)



62.7

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

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.)

$$X \text{ kg} = \frac{1 \text{ kg}}{2.2 \text{ lb}}$$

Step 3

Place any remaining ratios that are relevant to the item on the right side of the equation along with any needed conversion factors to

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Module: Critical Care Medications

Time Spent: 00:06:02

Calculator

Case studies

30 Tablets
BRAND NAME
OLANZAPINE TABLETS
10 mg Rx only

2

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Module: Critical Care Medications

Time Spent: 00:06:20

Calculator

Case studies

PRESCRIPTION ONLY MEDICINE
KEEP OUT OF REACH OF CHILDREN
LAMOTRIGINE
200 mg
56 TABLETS
SWALLOW WHOLE,
CHEW OR DISPERSE
IN WATER

1

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Time Spent: 00:06:25

Calculator

Case studies

A nurse is calculating the dosage of haloperidol. How many milliliters should the nurse administer?
(Review the MAR and medication label. Round the answer to the nearest hundredth.)



0.80

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

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Calculator

Case studies



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Calculator

Case studies

LEVOTHYROXINE SODIUM TABLETS, USP

Storage Conditions: 20° to 25°C (68 to 77°F), with excursions between 15° to 30°C (59 to 86°F). Dispense in a light resistant container.

Dosage: For complete prescribing information see insert. Keep this and all medication out of reach of children.

0.175 mg
Rx Only
100 TABLETS

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Calculator

Case studies

administer levothyroxine 2 tablets PO daily.

A nurse is preparing to administer 0.9% NaCl bolus. The drop factor of the manual IV tubing is 15 gtt/mL. The nurse should set the manual IV infusion to deliver how many gtt/min?

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

125

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.)
 $X \text{ gtt/min} =$

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.)
 $X \text{ gtt/min} = 15 \text{ gtt}$

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