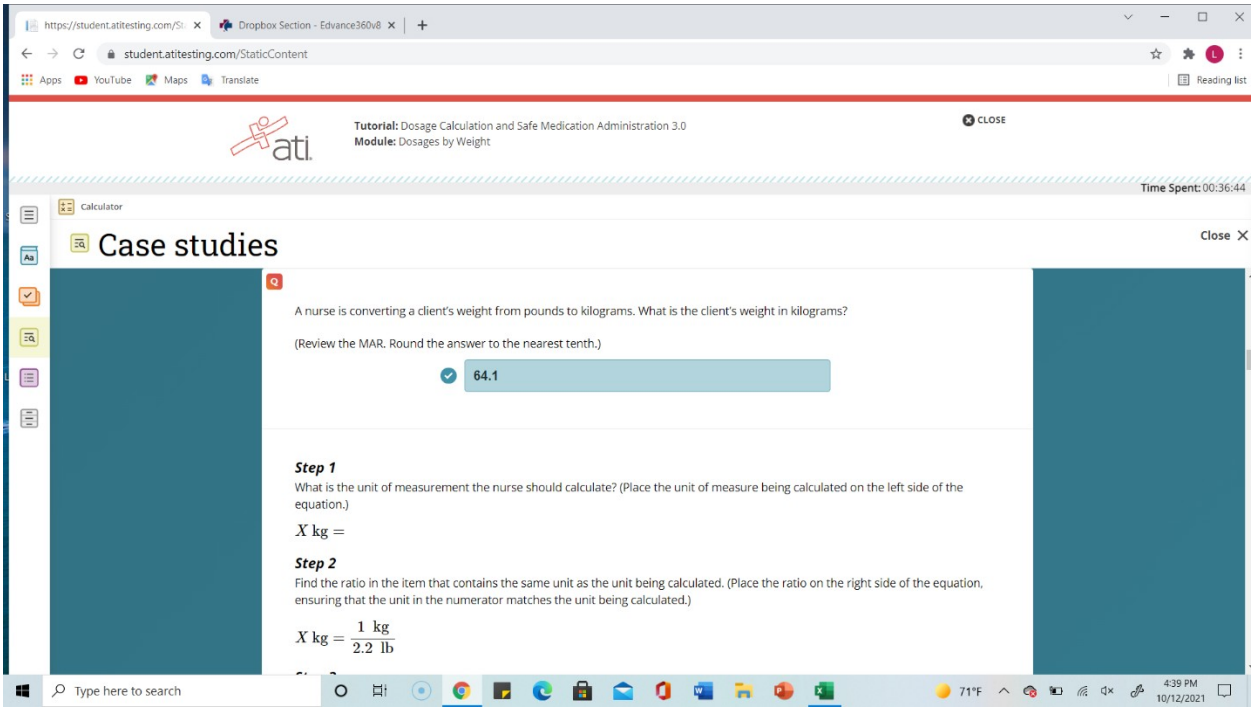
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Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight
CLOSE
Time Spent: 00:36:44
Calculator
Case studies
Close
A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?
(Review the MAR. Round the answer to the nearest tenth.)
64.1
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
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.)
$X \text{ kg} = \frac{1 \text{ kg}}{2.2 \text{ lb}}$
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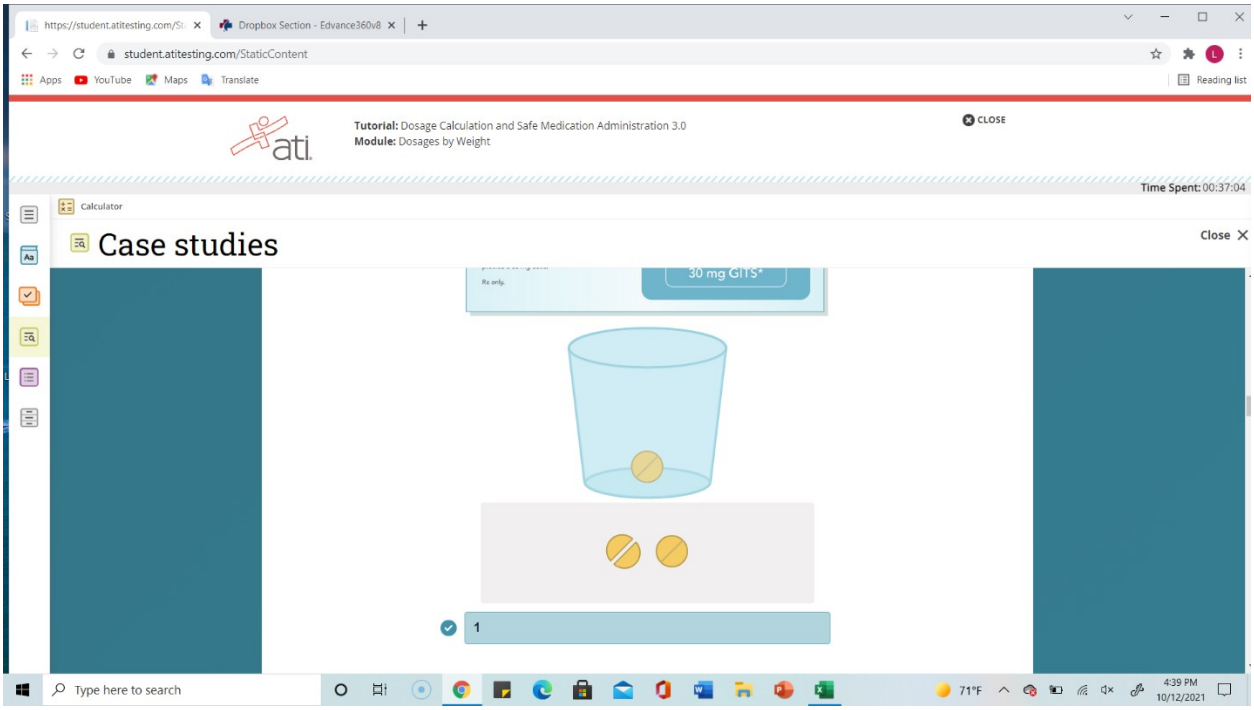
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Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight
CLOSE
Time Spent: 00:37:04
Calculator
Case studies
Close
30 mg GTTS*
1
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Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight

CLOSE

Time Spent: 00:37:09

Calculator

Case studies

Close

A nurse is calculating the dosage of magnesium sulfate IV bolus. Available is magnesium sulfate 4 g in D_5W 50 mL. The nurse should set the IV pump to deliver how many mL/hr?

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

100

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.)

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

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.)

$X\frac{\text{mL}}{\text{hr}} = \frac{50\ \text{mL}}{30\ \text{min}}$

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

CLOSE

Time Spent: 00:37:14

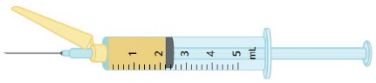
Calculator

Case studies

Close

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

(Review the MAR and medication label. Measure the correct dose of the medication by dragging the syringe. Then click "Submit.")



2

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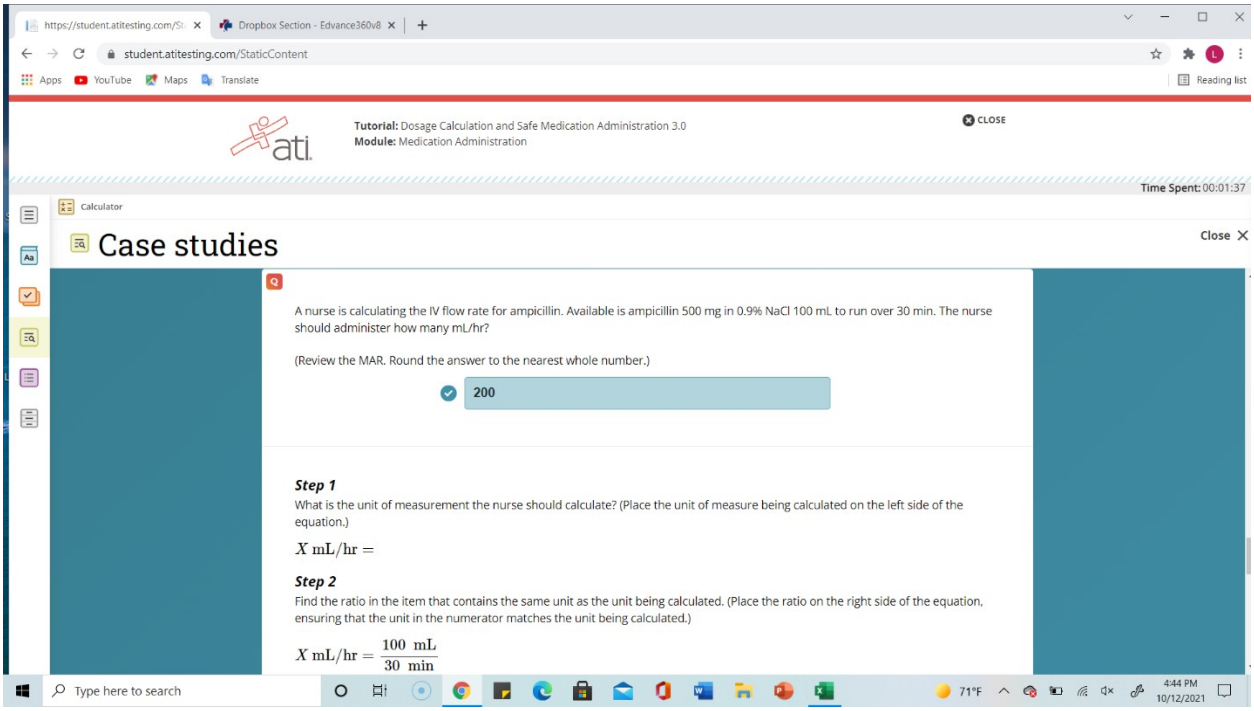
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Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Medication Administration
CLOSE
Time Spent: 00:01:37
Calculator
Case studies
Close
A nurse is calculating the IV flow rate for ampicillin. Available is ampicillin 500 mg in 0.9% NaCl 100 mL to run over 30 min. The nurse should administer how many mL/hr?
(Review the MAR. Round the answer to the nearest whole number.)
200
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.)
$X\ \text{mL/hr} =$
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.)
$X\ \text{mL/hr} = \frac{100\ \text{mL}}{30\ \text{min}}$
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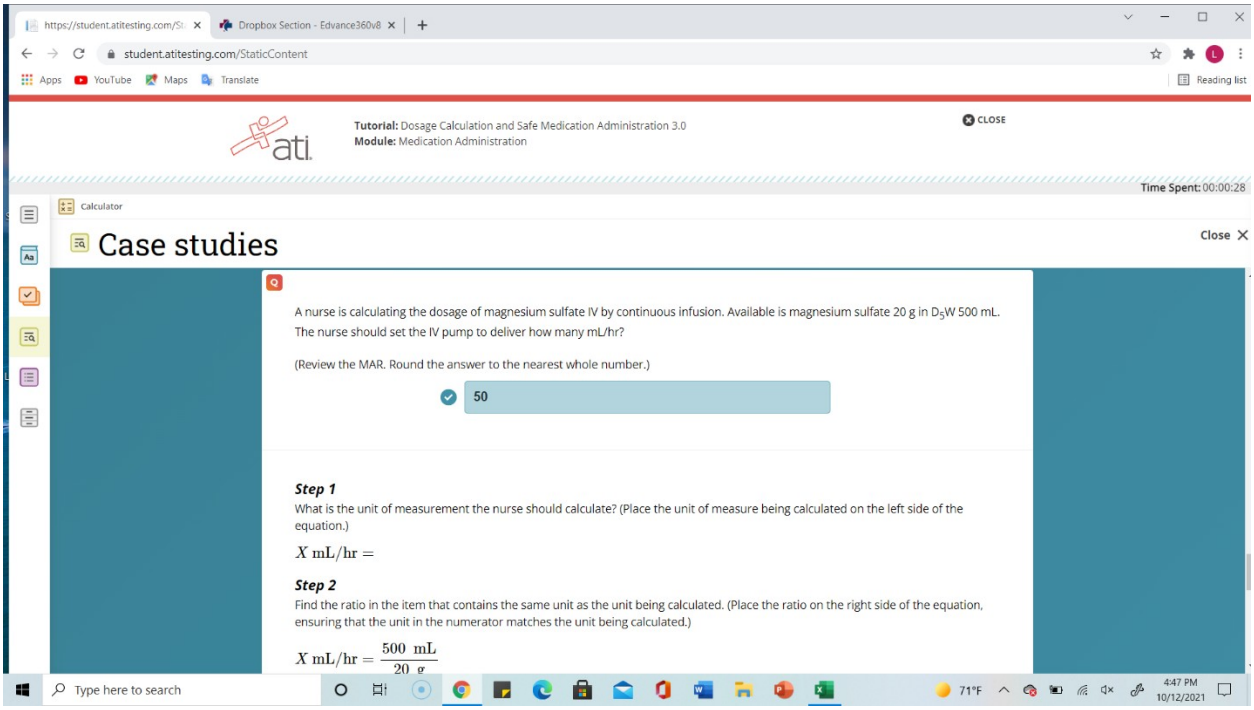
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Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Medication Administration
CLOSE
Time Spent: 00:00:28
Calculator
Case studies
Close
A nurse is calculating the dosage of magnesium sulfate IV by continuous infusion. Available is magnesium sulfate 20 g in D_5W 500 mL. The nurse should set the IV pump to deliver how many mL/hr?
(Review the MAR. Round the answer to the nearest whole number.)
50
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.)
$X\ \text{mL/hr} =$
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.)
$X\ \text{mL/hr} = \frac{500\ \text{mL}}{20\ \text{g}}$
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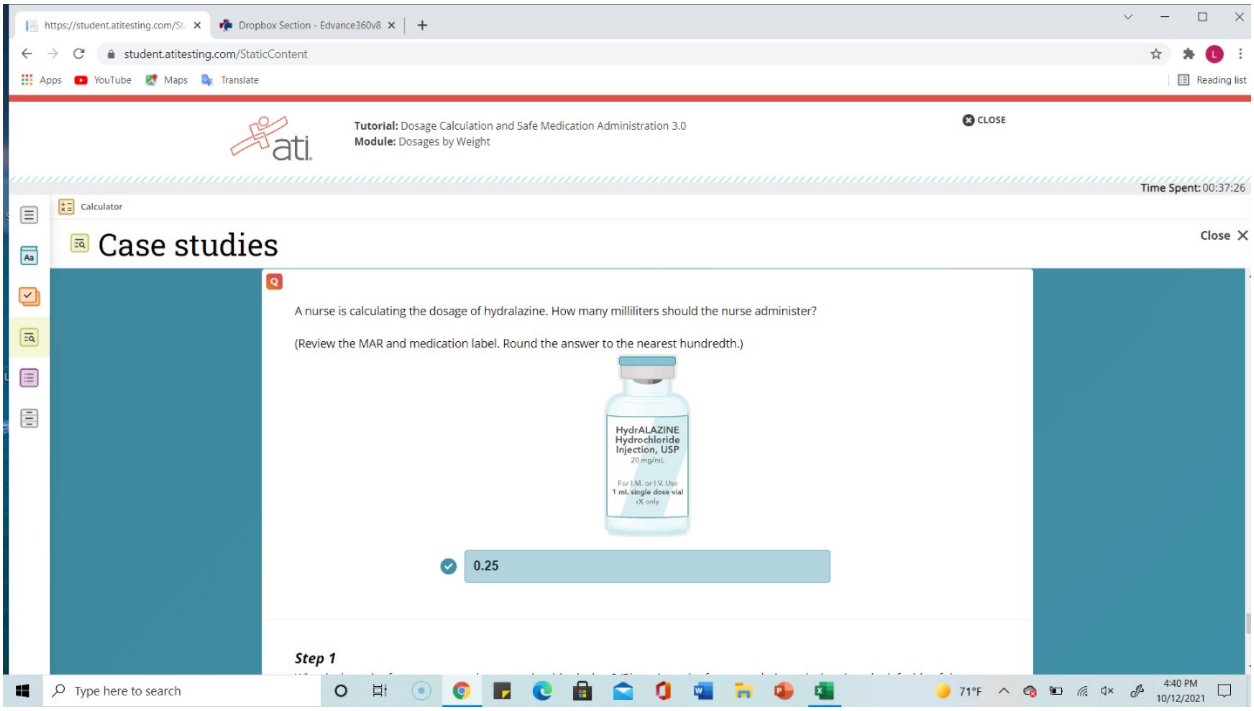
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YouTube
Maps
Translate
Reading list
Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Dosages by Weight
CLOSE
Time Spent: 00:37:26
Calculator
Case studies
Close
A nurse is calculating the dosage of hydralazine. How many milliliters should the nurse administer?
(Review the MAR and medication label. Round the answer to the nearest hundredth.)
HydrALAZINE Hydrochloride Injection, USP
20 mg/mL
For I.M. or I.V. Use
1 mL single dose vial
Rx only
0.25
Step 1
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