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

CLOSE

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Calculator

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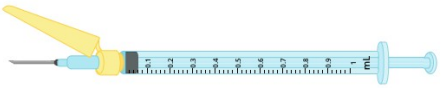
Close

A nurse is calculating the dosage of diphenhydramine. 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.")



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Module: Dosages by Weight

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A nurse is preparing to administer vancomycin 1 g via intermittent IV bolus. Available is vancomycin 1 g in 0.9% NaCl 250 mL. 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.)

125

Step 1

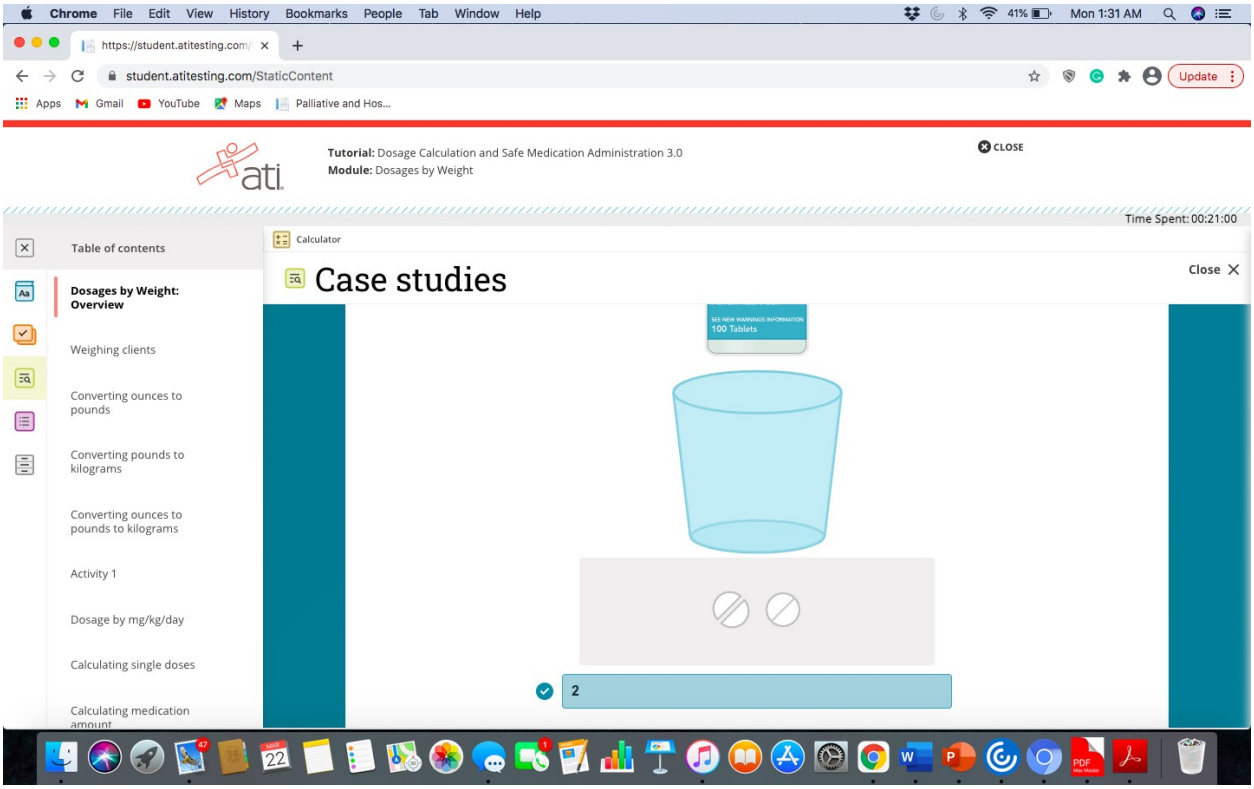
What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)

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

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.)

$$\frac{250 \text{ mL}}{}$$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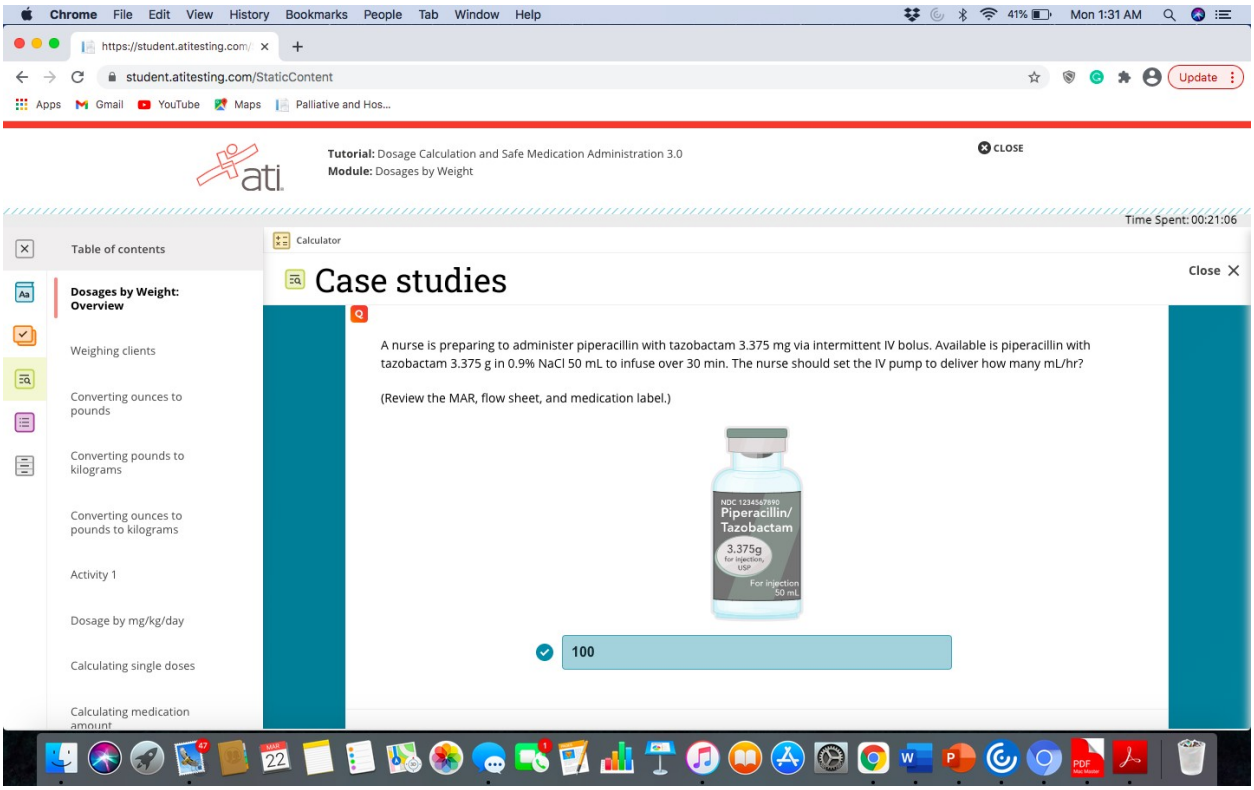
100 Tablets
2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A nurse is preparing to administer piperacillin with tazobactam 3.375 mg via intermittent IV bolus. Available is piperacillin with tazobactam 3.375 g in 0.9% NaCl 50 mL to infuse over 30 min. The nurse should set the IV pump to deliver how many mL/hr?
(Review the MAR, flow sheet, and medication label.)
Piperacillin/ Tazobactam
3.375g
100

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Module: Dosages by Weight

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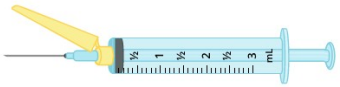
Close

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

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



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Module: Dosages by Weight

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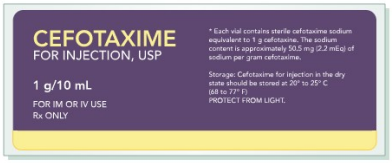
Close

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



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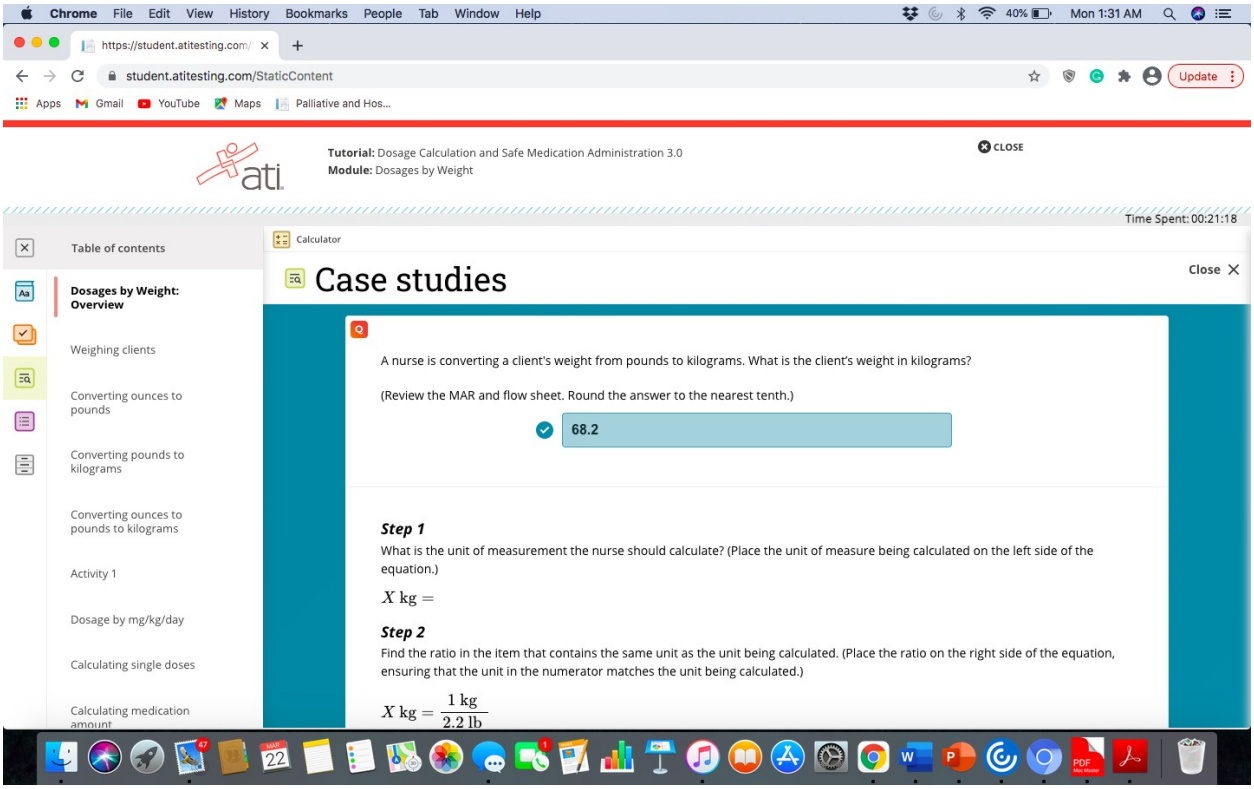
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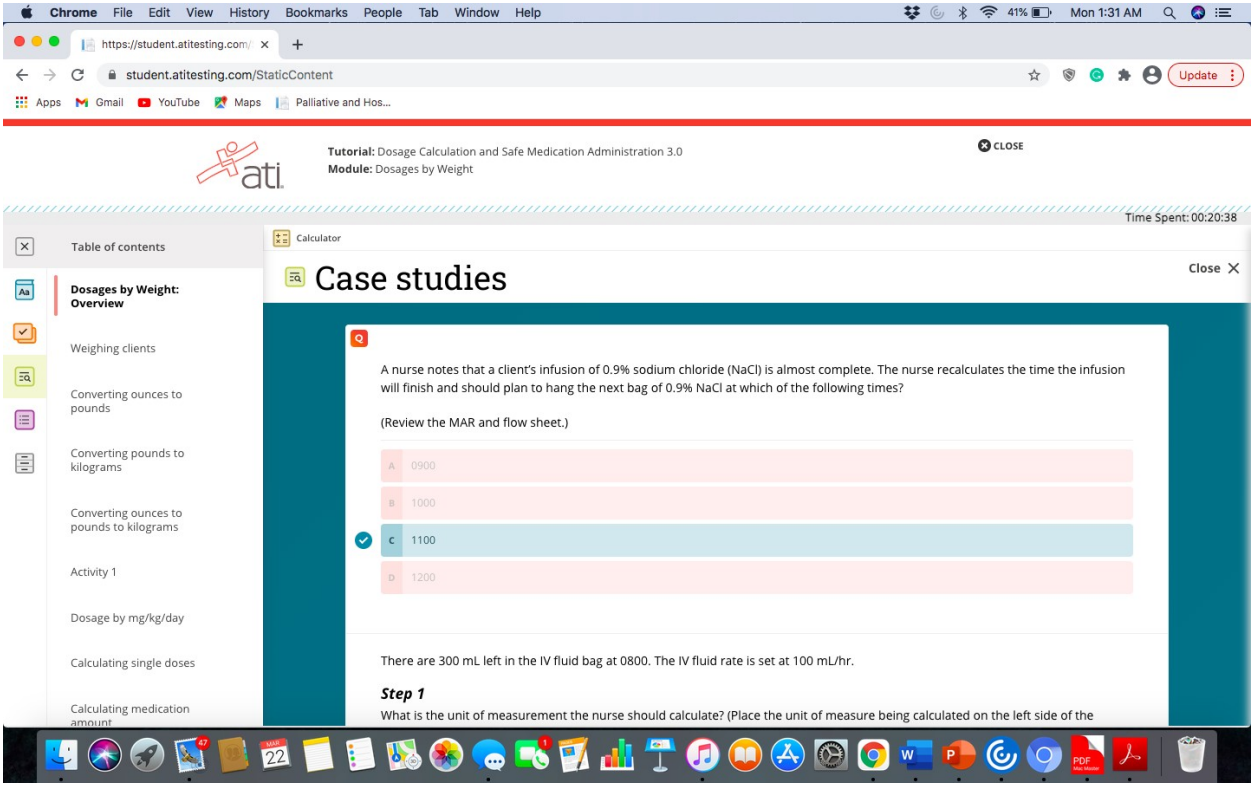
Close
A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?
(Review the MAR and flow sheet. Round the answer to the nearest tenth.)
68.2
Step 1
What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)
X 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 kg = 1 kg / 2.2 lb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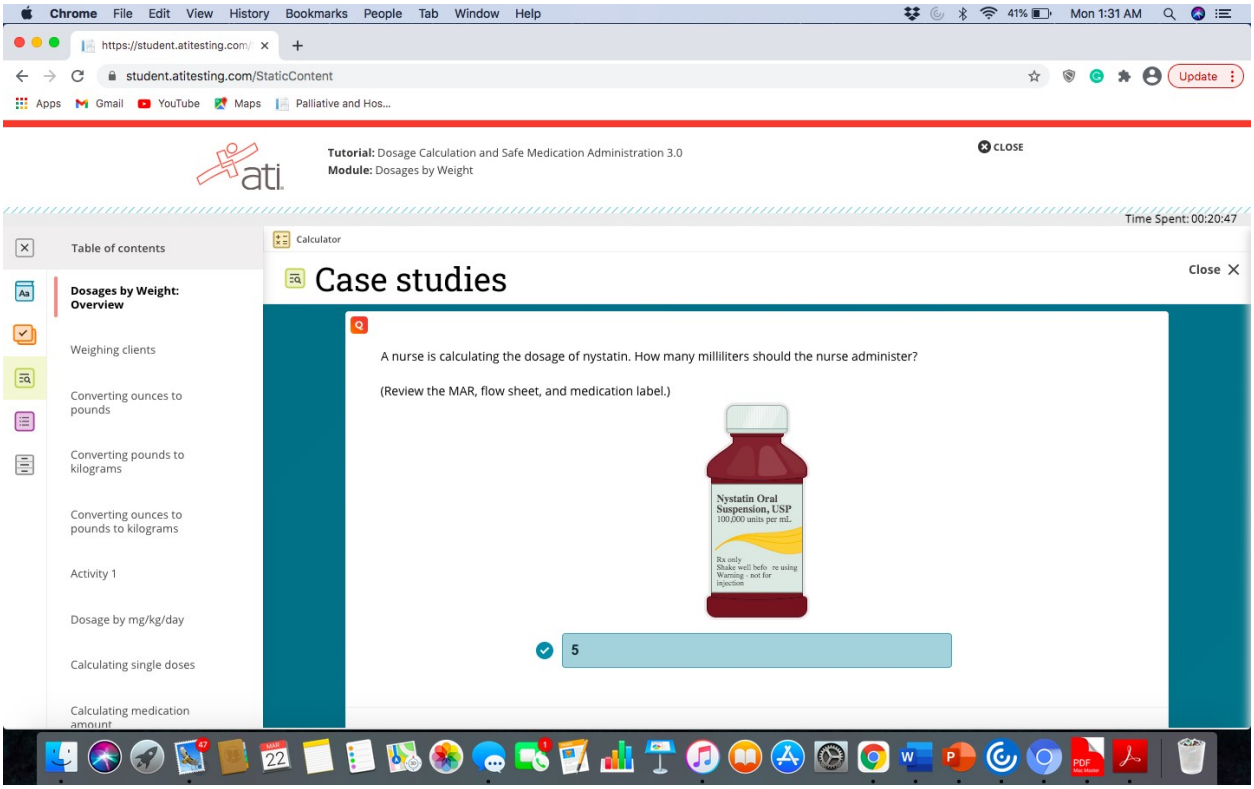
A nurse notes that a client's infusion of 0.9% sodium chloride (NaCl) is almost complete. The nurse recalculates the time the infusion will finish and should plan to hang the next bag of 0.9% NaCl at which of the following times?
(Review the MAR and flow sheet.)
A 0900
B 1000
C 1100
D 1200
There are 300 mL left in the IV fluid bag at 0800. The IV fluid rate is set at 100 mL/hr.
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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A nurse is calculating the dosage of nystatin. How many milliliters should the nurse administer?
(Review the MAR, flow sheet, and medication label.)
Nystatin Oral Suspension, USP
100,000 units per mL
5