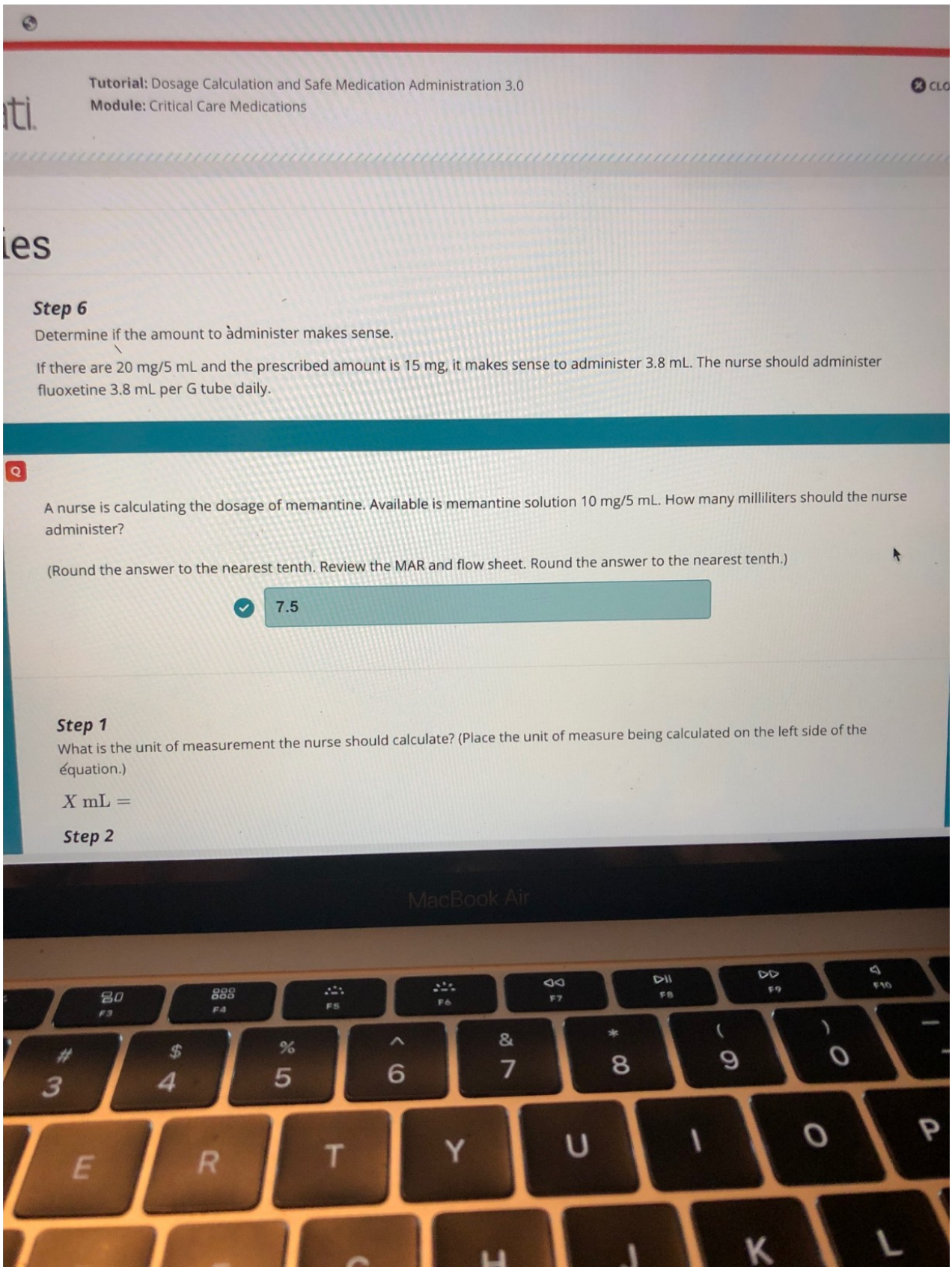
Tutorial: Dosage Calculation and Safe Medication Administration 3.0
Module: Critical Care Medications
Step 6
Determine if the amount to administer makes sense.
If there are 20 mg/5 mL and the prescribed amount is 15 mg, it makes sense to administer 3.8 mL. The nurse should administer fluoxetine 3.8 mL per G tube daily.
A nurse is calculating the dosage of memantine. Available is memantine solution 10 mg/5 mL. How many milliliters should the nurse administer?
(Round the answer to the nearest tenth. Review the MAR and flow sheet. Round the answer to the nearest tenth.)
7.5
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 mL =
Step 2
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Step 6

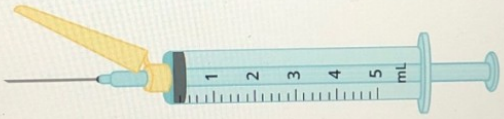
Determine if the amount to administer makes sense.

If there are 20 mg/mL and the prescribed amount is 30 mg, it makes sense to administer 1.5 mL. The nurse should administer morphine oral solution 1.5 mL per G tube PRN pain.

Q

A nurse is calculating the dosage of fluoxetine. Available is fluoxetine 20 mg/5 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.")



3.8

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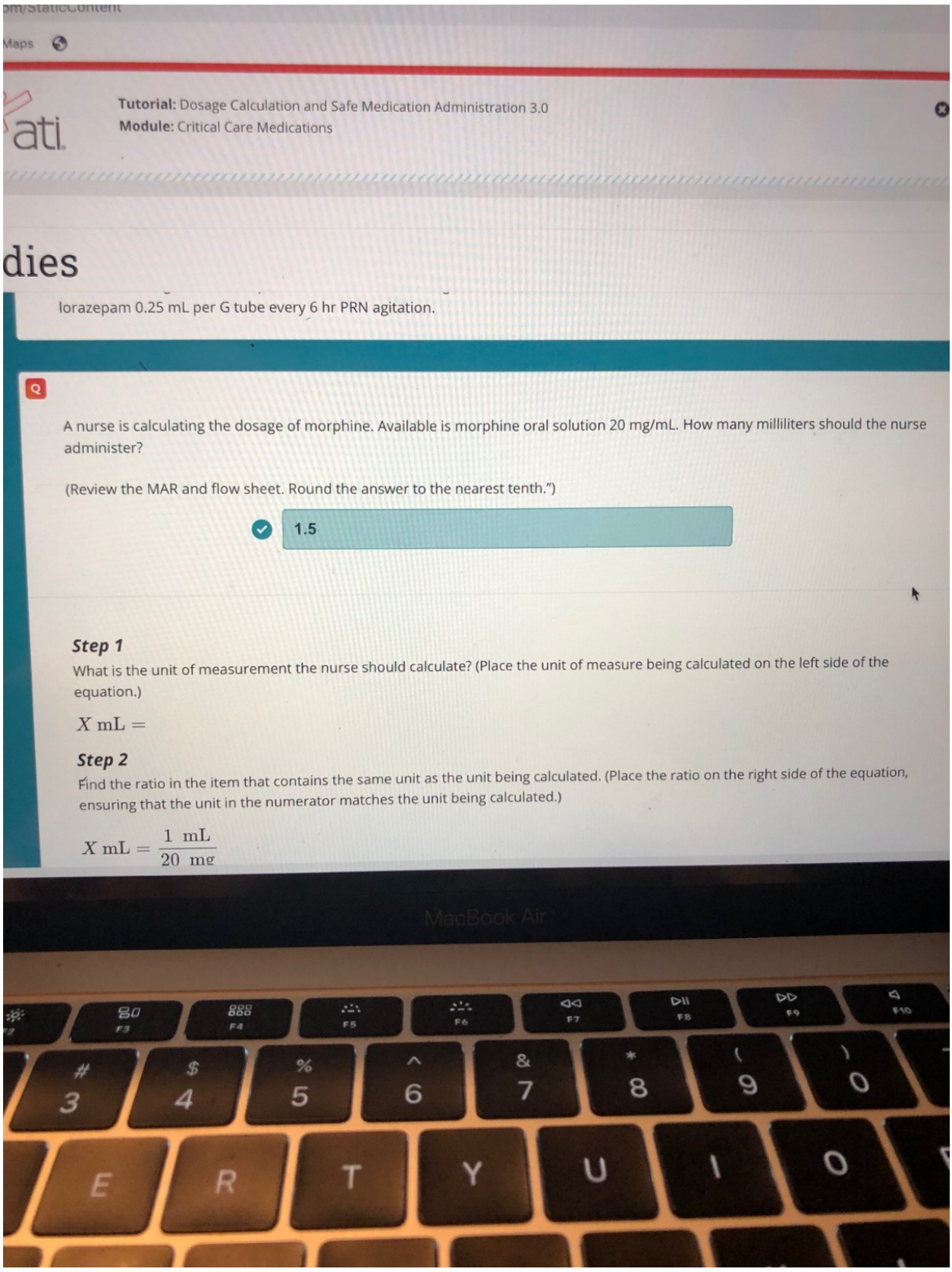
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dies
lorazepam 0.25 mL per G tube every 6 hr PRN agitation.
A nurse is calculating the dosage of morphine. Available is morphine oral solution 20 mg/mL. How many milliliters should the nurse administer?
(Review the MAR and flow sheet. Round the answer to the nearest tenth.")
1.5
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 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 mL = 1 mL / 20 mg
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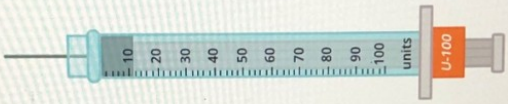
A nurse is calculating the dosage of lorazepam. Available is lorazepam solution 2 mg/mL. How many milliliters should the nurse administer?

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



0.25

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

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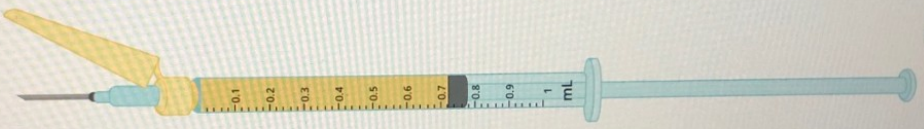
es

Determine if the amount to administer makes sense.

If there is 1 mg/mL and the prescribed amount is 12.5 mg, it makes sense to administer 12.5 mL. The nurse should administer captopril 12.5 mL per G tube daily.

A nurse is calculating the dosage of enoxaparin. Available is enoxaparin injection 100 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.")



0.7

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

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S

73.636363 kg rounds to 73.6 kg.

Step 6

Determine if the equivalent makes sense.

If 1 kg equals 2.2 lb, it makes sense that 162 lb equals 73.6 kg.

A nurse is calculating the dosage of captopril. Available is captopril elixir 1 mg/mL. How many milliliters should the nurse administer?

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

12.5

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.)

$X \text{ mL} =$

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.)

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dies

Other							
Output Total							
Electronic Signature/Name	JT (3765)					Date	8/6/XX

Q

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.)

73.6

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 equati ensuring that the unit in the numerator matches the unit being calculated.)

1 kg

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