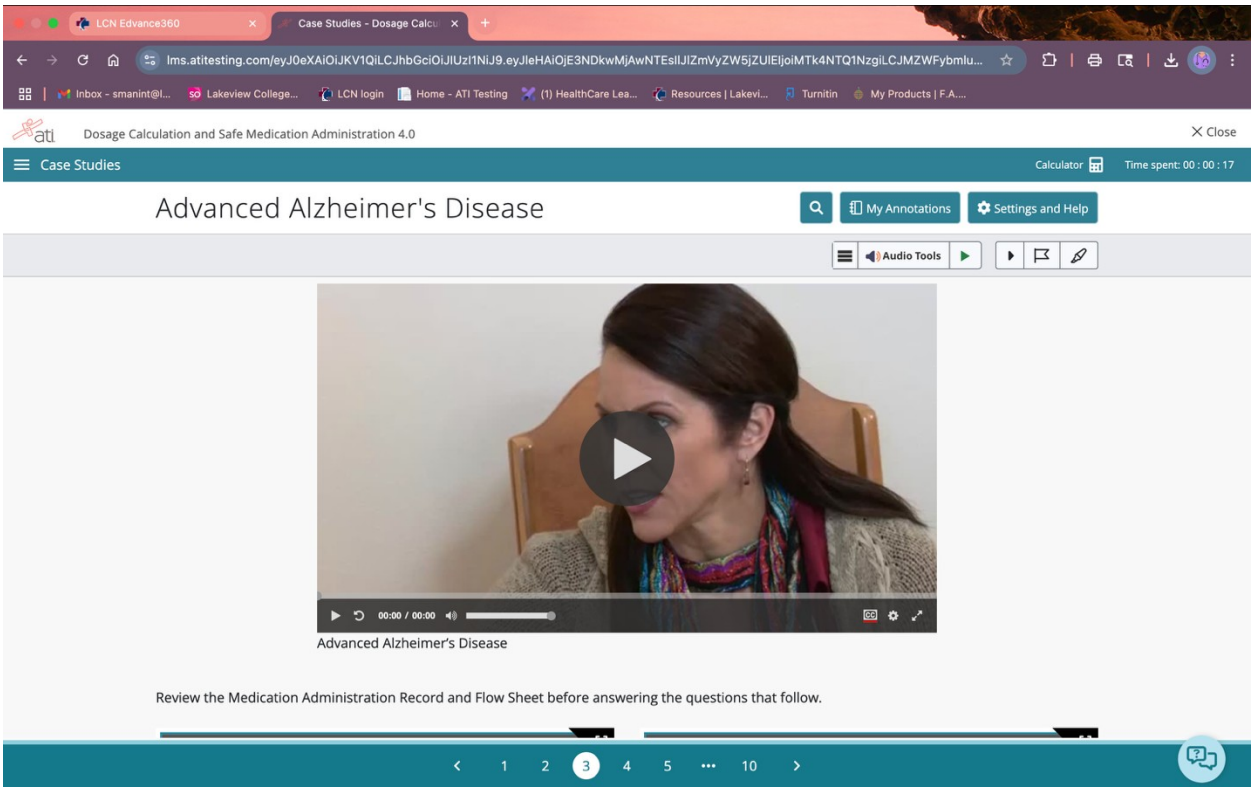
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Case Studies - Dosage Calcu
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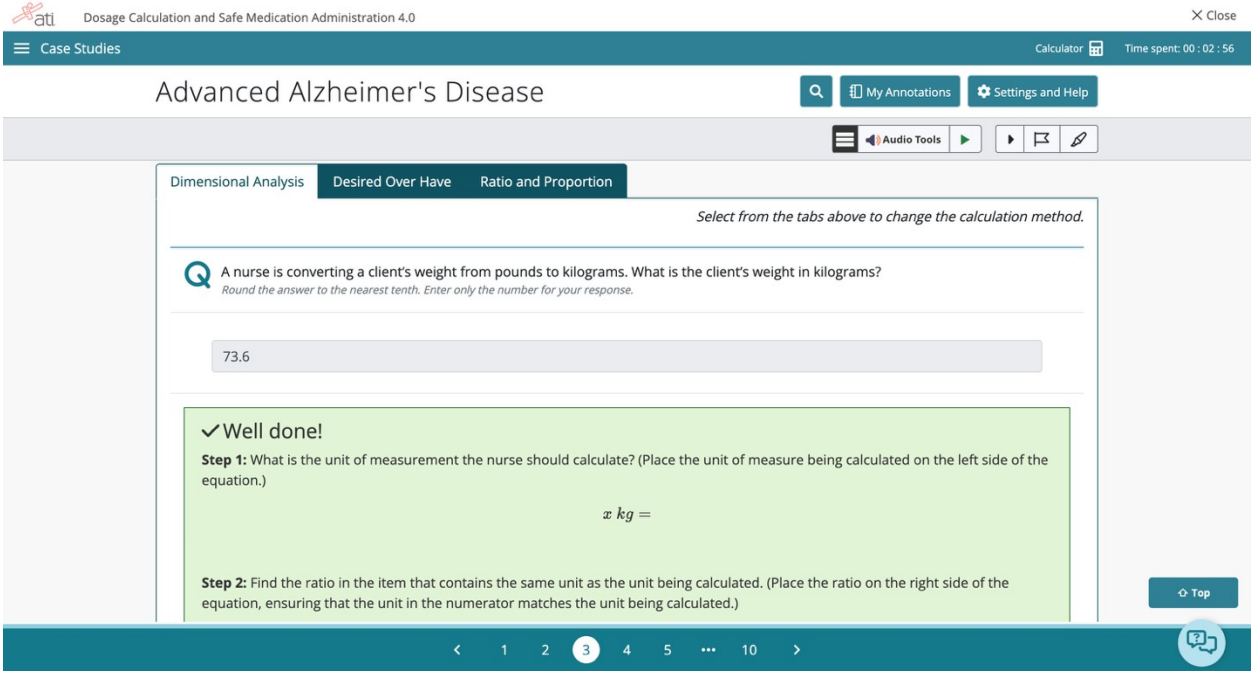
Dosage Calculation and Safe Medication Administration 4.0
Close
Case Studies
Calculator
Time spent: 00 : 00 : 17
Advanced Alzheimer's Disease
My Annotations
Settings and Help
Audio Tools
00:00 / 00:00
Advanced Alzheimer's Disease
Review the Medication Administration Record and Flow Sheet before answering the questions that follow.
1
2
3
4
5
10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Time spent: 00 : 02 : 56
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Dimensional Analysis
Desired Over Have
Ratio and Proportion
Select from the tabs above to change the calculation method.
A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?
Round the answer to the nearest tenth. Enter only the number for your response.
73.6
✓Well done!
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.)
Top
1
2
3
4
5
10

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

Round the answer to the nearest tenth. Enter only the number for your response.

12.5

✓Well done!

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.)

$$x\ mL = \frac{1\ mL}{1\ mg}$$

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0.7 mL

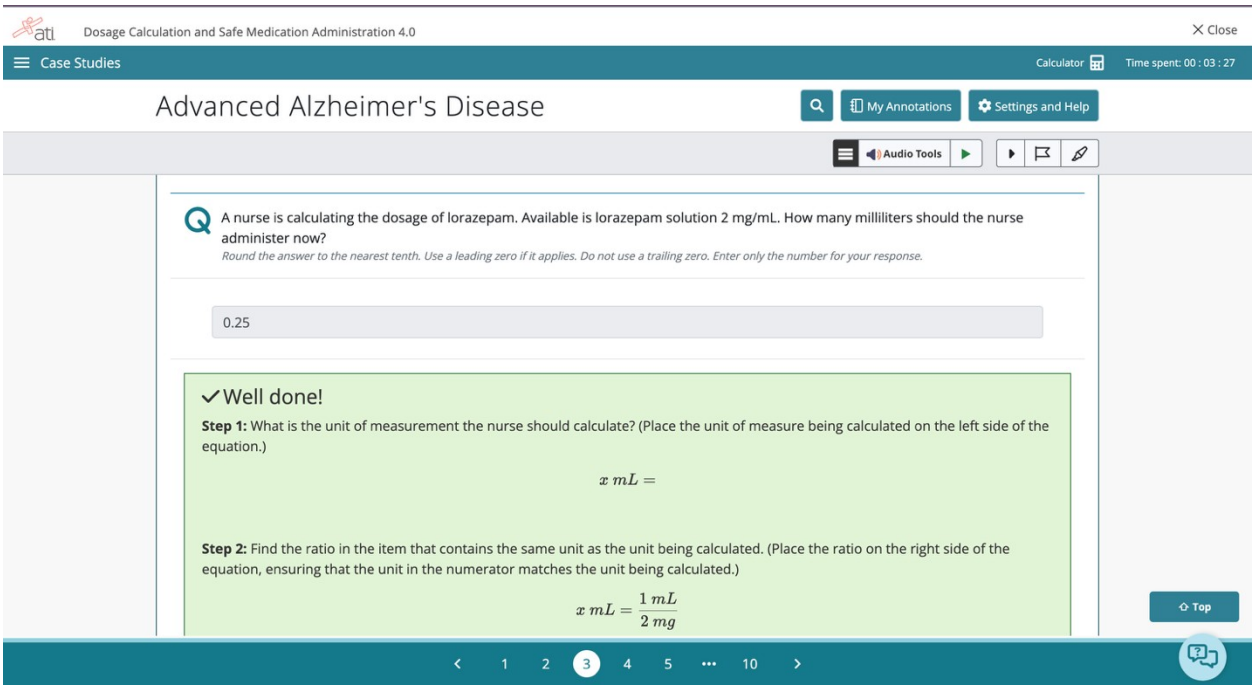
Well done!

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.)

Top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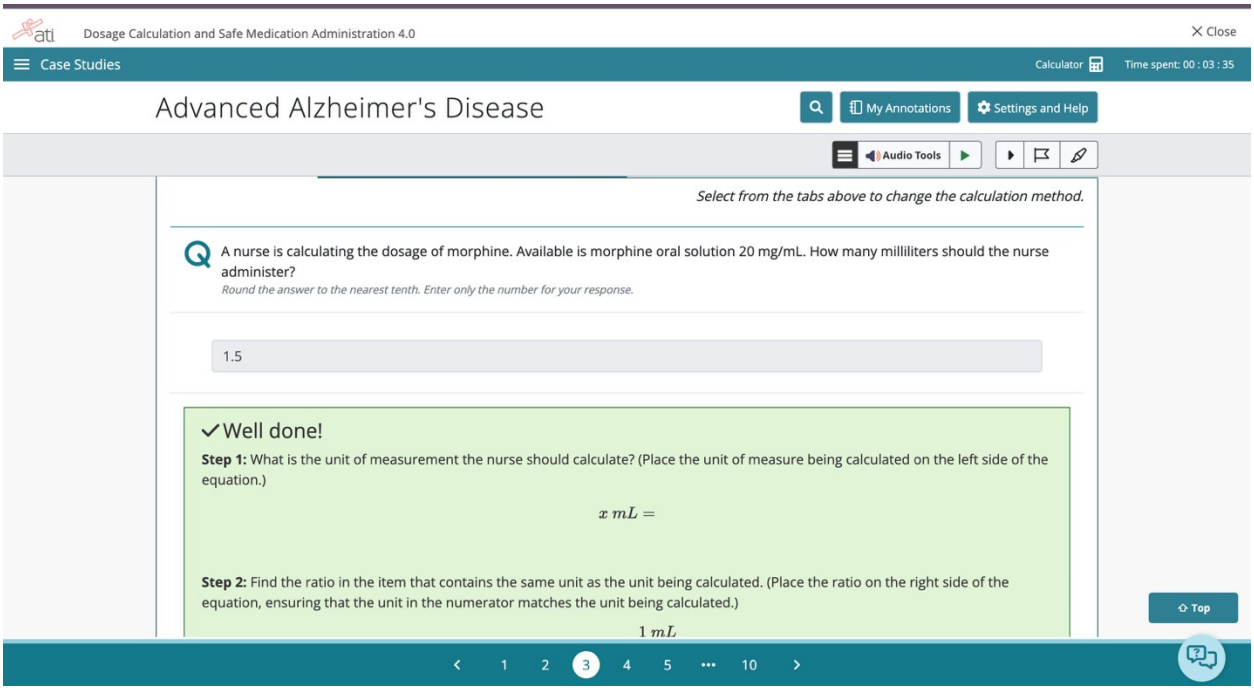
A nurse is calculating the dosage of lorazepam. Available is lorazepam solution 2 mg/mL. How many milliliters should the nurse administer now?
Round the answer to the nearest tenth. Use a leading zero if it applies. Do not use a trailing zero. Enter only the number for your response.
0.25
Well done!
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 / 2 mg
Top
1 2 3 4 5 ... 10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Select from the tabs above to change the calculation method.
A nurse is calculating the dosage of morphine. Available is morphine oral solution 20 mg/mL. How many milliliters should the nurse administer?
Round the answer to the nearest tenth. Enter only the number for your response.
1.5
Well done!
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.)
1 mL
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3.8 mL

Well done!

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.)

$$x\ mL = \frac{5\ mL}{20\ mg}$$

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1 2 3 4 5 ••• 10

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A nurse is calculating the dosage of memantine. Available is memantine solution 10 mg/5 mL. How many milliliters should the nurse administer now?

Round the answer to the nearest tenth. Enter only the number for your response.

7.5

✓Well done!

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.)

$$x\ mL = \frac{5\ mL}{10\ mg}$$

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1 2 3 4 5 ••• 10