

# ATI 2023 DOSAGE CALCULATION RN FOR ADULT MEDICAL SURGICAL ONLINE PRACTICE ASSESSMENT 3.0 - ALL ANSWERS ARE CORRECT



Dosage Calculation RN Adult Medical Surgical Online Practice  
Assessment 3.0

CLOSE

Question: 1 of 25

CORRECT

Time Elapsed: 00:05:20  
Pause Remaining: 08:20:00

PAUSE



FLAG

A nurse is preparing to administer cefazolin 500 mg IM every 12 hr. Available is cefazolin injection 330 mg/mL. How many mL should the nurse administer per dose? (Round the answer to the nearest tenth. Use a leading zero if it applies. Do not use a trailing zero.)

1.5

mL

CORRECT

My Answer

Follow these steps for the Ratio and Proportion method of calculation:

Step 1: What is the unit of measurement the nurse should calculate? mL

Step 2: What is the dose the nurse should administer? Dose to administer = Desired 500 mg

Step 3: What is the dose available? Dose available = Have 330 mg

Step 4: Should the nurse convert the units of measurement? No



CLOSE

Question: 2 of 25

CORRECT

Time Elapsed: 00:05:30  
Pause Remaining: 08:20:00

PAUSE



FLAG

A nurse is preparing to administer phenytoin 5 mg/kg/day PO divided equally every 8 hr to a client who weighs 132 lbs. Available is phenytoin 100 mg capsules. How many capsules should the nurse administer per dose? (Round the answer to the nearest whole number. Use a leading zero if it applies. Do not use a trailing zero.)



capsule(s)

CORRECT My Answer

Follow these steps for the Ratio and Proportion method of calculation:

Step 1: What is the unit of measurement the nurse should calculate? kg

Step 2: Set up an equation and solve for X.

2.2 lb		Client's weight in lb
	=	
1 kg		X kg
2.2 lb		132 lb





Question: 3 of 25

CORRECT

Time Elapsed: 00:07:02  
Pause Remaining: 08:20:00

PAUSE

A nurse is preparing to administer lactated Ringer's (LR) 600 mL IV to infuse over 5 hr. The drop factor of the manual IV tubing is 20 gtt/mL. The nurse should set the manual IV infusion to deliver how many gtt/min? (Round the answer to the nearest whole number. Use a leading zero if applicable. Do not use a trailing zero.)

40

gtt/min

CORRECT

My Answer

Follow these steps to calculate the infusion rate using the Ratio and Proportion method of calculation:

Step 1: What is the unit of measurement the nurse should calculate? gtt/min

Step 2: What is the volume the nurse should infuse? 600 mL

Step 3: What is the total infusion time? 5 hr

Step 4: Should the nurse convert the units of measurement? Yes (hr does not equal min)



Question: 4 of 25

CORRECT

Time Elapsed: 00:08:09  
Pause Remaining: 08:20:00

PAUSE



FLAG

A nurse is preparing to administer enoxaparin 30 mg subcutaneous to a client. Available is enoxaparin injection 60 mg/0.6 mL. How many mL should the nurse administer? (Round the answer to the nearest tenth. Use a leading zero if it applies. Do not use a trailing zero.)

0.3

mL

CORRECT

My Answer

Follow these steps for the Ratio and Proportion method of calculation:

- Step 1: What is the unit of measurement the nurse should calculate? mL
- Step 2: What is the dose the nurse should administer? Dose to administer = Desired 30 mg
- Step 3: What is the dose available? Dose available = Have 60 mg
- Step 4: Should the nurse convert the units of measurement? No
- Step 5: What is the quantity of the dose available? 0.6 mL



Question: 5 of 25

CORRECT

Time Elapsed: 00:09:27  
Pause Remaining: 08:20:00

PAUSE

FLAG

A nurse is preparing to administer phenytoin 15 mg/kg IV to a client who weighs 154 lb. Available is phenytoin 50 mg/mL. How many mL should the nurse administer? (Round the answer to the nearest whole number. Use a leading zero if it applies. Do not use a trailing zero.)



mL

CORRECT My Answer

Follow these steps for the Ratio and Proportion method of calculation:

Step 1: What is the unit of measurement the nurse should calculate? kg

Step 2: Set up an equation and solve for X.

2.2 lb	Client's weight in lb
=	
1 kg	X kg

  

2.2 lb	154 lb
=	