



Calculator

Case studies

Close X

(Review the MAR. Round the answer to the nearest tenth.)

49.1

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 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.)

$$X \text{ kg} = \frac{1 \text{ kg}}{2.2 \text{ lb}}$$

Step 3

Place any remaining ratios that are relevant to the item on the right side of the equation along with any needed conversion factors to cancel out unwanted units of measure.

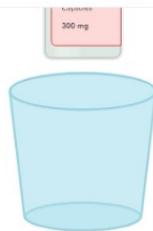
$$X \text{ kg} = \frac{1 \text{ kg}}{2.2 \text{ lb}} \times \frac{108 \text{ lb}}{1}$$



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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



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A nurse is calculating the dosage of ritonavir. How many milliliters should the nurse administer?
(Review the MAR and medication label. Round the answer to the nearest tenth.)



✘ 1.25

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



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Close X

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



✔ 15

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.)



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

Emtricitabine
Oral Solution 100mg/mL
1.10 mL Rx only

Each mL contains 10 mg emtricitabine.
See package insert for dosage and administration.
The oral solution should be used within 3 months of opening by patient at 25°C (77°F); excursions permitted to 30° C (86°F).
Keep container tightly closed.

20

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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Close X

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

Enfuvirtide
for Injection
90 mg/mL

Single Use Vial
Each contains 108 mg of enfuvirtide to provide delivery of 90 mg.
For administration, see other instructions.
Store at 25°C (77°F) before reconstitution. (see package insert.)
Check dosage form first.
Reconstitute with 1 mL Sterile Water.
Use immediately.



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



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A nurse is reading enfuvirtide label. Which of the following is accurate information from this label?

(Select all that apply.)



- A Mix with 0.9% NaCl.
- B Use immediately.
- C Dilute with 2 mL fluid.
- D Final dilution is 90 mg/mL.
- E Store at 25° C (77° F) before mixing.
- F Use for subcutaneous injection.