

Question 1

Write 0.49 as a fraction in lowest terms and as a percentage.

1. 49/100; 49%
2. 7/15; 49%
3. 49/100; 4.9%
4. $\frac{1}{2}$; 4.9%

Answer: <https://biology-forums.com/index.php?topic=601989>

Question 2

Read the package insert in the figure and answer the following:

What is the initial recommended maximum adult daily dose of the drug? _____ mg

Standard Text:

Answer: <https://biology-forums.com/index.php?topic=602086>

Question 3

Order: Add 125 mg of morphine sulfate to DW 250 mL stat. and infuse at 0.005 mg/kg/min.

Calculate the flow rate in milliliters per hour for the patient who weighs 95 kilograms.

1. 0.2 mL/h
2. 28.5 mL/h
3. 0.95 mL/h
4. 57 mL/h

Answer: <https://biology-forums.com/index.php?topic=602376>

Question 4

Order: 2000 mL D5W IV infused in six hours. The drop factor is 15 gtt/mL. Calculate the flow rate in gtt/min.

1. 83 gtt/min
2. 133 gtt/min
3. 3 gtt/min
4. 84 gtt/min

Answer: <https://biology-forums.com/index.php?topic=602281>

Question 5

Order: Infuse 1 mL of normal saline IV for every 2 mL of urine in excess of 50 mL.

The client's urine output is 80 mL. How much normal saline will you administer?

1. 30 mL
2. 15 mL
3. 40 mL
4. 20 mL

Answer: <https://biology-forums.com/index.php?topic=602350>

Question 6

Order: Ampicillin 165 mg. IV q.8h.

The directions on the package state: "Reconstitution of the single-use vial with 4.8 mL yields 250 mg/5 mL." How many milliliters will you administer?

1. 3.3 mL
2. 3.17 mL
3. 8.25 mL
4. 8.6 mL

Answer: <https://biology-forums.com/index.php?topic=602257>

Question 7

What is the strength (expressed as a percent) of a 200 milliliter solution that contains 10 grams of dextrose?

1. 20%
2. 5%
3. 0.2%
4. 0.5%

Answer: <https://biology-forums.com/index.php?topic=602210>

Question 8

Convert 48 ounces to an equivalent amount in quarts.

1. 2 qt
2. 1.75 qt
3. 1.5 qt
4. 3 qt

Answer: <https://biology-forums.com/index.php?topic=602140>

Question 9

Convert 4800 minutes to an equivalent amount in days.

1. 3 1/3 days
2. 21 days
3. 200 days
4. 1/2 day

Answer: <https://biology-forums.com/index.php?topic=602104>

Question 10

How many milliliters of a 1:30 dextrose solution contain 3 grams of dextrose?

1. 10 mL
2. 100 mL
3. 90 mL
4. 9 mL

Answer: <https://biology-forums.com/index.php?topic=602220>

Question 11

Convert 9 teaspoons to an equivalent amount in ounces.

1. 27 oz
2. 4.5 oz
3. 13.5 oz
4. 1.5 oz

Answer: <https://biology-forums.com/index.php?topic=602142>

Question 12

Order: Gentamicin sulfate (Garamycin) 22.5 mg IV q.8h.

The label on the vial reads 40mg/mL. How many mL will you administer?

1. 1.78 mL
2. 5.6 mL
3. 0.178 mL
4. 0.56 mL

Answer: <https://biology-forums.com/index.php?topic=602247>

Question 13

Convert 1 quart to an equivalent amount in cups.

1. 10 cups
2. 12 cups
3. 4 cups
4. 8 cups

Answer: <https://biology-forums.com/index.php?topic=602146>

Question 14

Calculate the daily rate of maintenance fluids and the hourly flow rate in mL/h for a child who weighs 8 kilograms.

1. 800 mL/day; 33 mL/h
2. 100 mL/day; 4.2 mL/h
3. 80 mL/day; 3.4 mL/h
4. 80 mL/d; 3.3 mL/h

Answer: <https://biology-forums.com/index.php?topic=602416>

Question 15

Order: NS 1000 mL IV stat. at 125 mL/h for eight hours.

Because the drop factor is 10 gtt/mL, the initial flow rate was correctly set at 21 gtt/min. After four hours, 600 mL remain to be infused. The infusion is behind schedule. Compute the new flow rate in gtt/min so that the infusion will finish on time. If flow rates may not be adjusted by more than 25% of

the original rate, to what rate would you reset the drip rate, or would you contact the prescriber instead?

1. Contact the prescriber.
2. 25 gtt/min
3. 150 gtt/min
4. 23 gtt/min

Answer: <https://biology-forums.com/index.php?topic=602336>

Question 16

Divide 8.6 by 0.5.

1. 1.72
2. .172
3. 17.2
4. 172

Answer: <https://biology-forums.com/index.php?topic=602028>

Question 17

Write the following number as an improper fraction: $8\frac{5}{6}$.

1. $\frac{53}{6}$
2. $\frac{40}{6}$
3. $\frac{53}{8}$
4. $\frac{45}{6}$

Answer: <https://biology-forums.com/index.php?topic=601984>

Question 18

What is the strength (expressed as a ratio in the lowest terms) of a 300 milliliter solution that contains 6 grams of epinephrine?

1. 6:300
2. 1:5
3. 1:50
4. 5:1

Answer: <https://biology-forums.com/index.php?topic=602215>

Question 19

Divide 0.89 by 100.

1. 8.9
2. 0.89
3. 0.089
4. 0.0089

Answer: <https://biology-forums.com/index.php?topic=602033>

Question 20

An IVPB is infusing at 100 mL/h. The strength of the solution in the bag is 0.5 mg/mL. What is the dosage rate in mg/h?

1. 300 mg/h
2. 50 mg/h
3. 200 mg/h
4. 120 mg/h

Answer: <https://biology-forums.com/index.php?topic=602364>