

Test Bank for Basic Chemistry 4th Edition Timberlake 0321809289  
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***Basic Chemistry, 4e (Timberlake)***

**Chapter 2 Measurements**

2.1 Multiple Choice Questions

1) 5.21 cm is the same distance as \_\_\_\_\_.

- A) 0.0521 m
- B) 52.1 dm
- C) 5.21 mm
- D) 0.000 521 km
- E) 5210 m

Answer: A

Objective: 2.1

Global: G4

2) How many centimeters are there in 57.0 in?

- A) 22 cm
- B) 0.0445 cm
- C) 145 cm
- D) 22.4 cm
- E) 140 cm

Answer: C

Objective: 2.1, 2.6, 2.7

Global: G4

3) The measurement of the gravitational pull on an object is its \_\_\_\_\_.

- A) volume
- B) weight
- C) mass
- D) length
- E) size

Answer: B

Objective: 2.1

Global: G2

4) The amount of space occupied by a substance is its \_\_\_\_\_.

- A) mass
- B) density
- C) weight
- D) length
- E) volume

Answer: E

Objective: 2.1  
Global: G2

5) Which of the following is the basic unit of volume in the metric system?

- A) liter
- B) kilogram
- C) meter
- D) centimeter
- E) gram

Answer: A

Objective: 2.1

Global: G2

6) Which of the following is the SI unit of mass?

- A) milliliter
- B) centimeter
- C) kilogram
- D) Celsius
- E) meter

Answer: C

Objective: 2.1

Global: G2

7) A value of 25 °C is a measurement of \_\_\_\_\_.

- A) distance
- B) volume
- C) temperature
- D) mass
- E) density

Answer: C

Objective: 2.1

Global: G2

8) Which of the following measurements are NOT equivalent? A) 25 mg = 0.025 g

- B) 183 L = 0.183 kL
- C) 150. msec = 0.150 sec
- D) 84 cm = 8.4 mm
- E) 24 dL = 2.4 L

Answer: D

Objective: 2.1, 2.5

Global: G4

9) The measurement 0.000 043 m, expressed correctly using scientific notation, is

- \_\_\_\_\_.
- A)  $4.3 \times 10^{-7}$  m
  - B)  $4.3 \times 10^{-6}$  m
  - C)  $4.3 \times 10^{-5}$  m
  - D)  $4.3 \times 10^{-4}$  m
  - E) 4.3 m

Answer: D

Objective: 2.2

Global: G4

10) The number 680 000 000 expressed correctly using scientific notation is \_\_\_\_\_.

- A) 6.8
- B)  $0.68 \times 10^6$
- C)  $6.8 \times 10^8$
- D)  $68 \times 10^7$
- E)  $680 \times 10^6$

Answer: C

Objective: 2.2

Global: G4

11) Which of the following numbers is the smallest?

- A)  $4.0 \times 10^{-6}$
- B)  $4.0 \times 10^{-8}$
- C)  $4.0 \times 10^{-2}$
- D)  $4.0 \times 10^{15}$
- E)  $4.0 \times 10^{-12}$

Answer: E

Objective: 2.2

Global: G4

12) Which of the following numbers is the largest?

- A)  $2.05 \times 10^3$
- B)  $2.05 \times 10^{-12}$
- C)  $2.05 \times 10^5$
- D)  $2.05 \times 10^8$
- E) 2.05

Answer: D

Objective: 2.2

Global: G4

13) Which of the following conversion factors involves a measured number? A) 10 cm/dm

B) 12 in/ft

C) 16 oz/lb

D) 25 miles/gallon

E) 12 eggs/dozen

Answer: D

Objective: 2.3, 2.6

Global: G4

14) Which of the following measured numbers has three significant figures?

A) 10.01 cm

B) 0.001 cm

C) 1.01 cm<sub>3</sub>

D)  $1.0 \times 10^3$  cm

E) 100 cm

Answer: C

Objective: 2.3

Global: G4

15) Which of the following measured numbers has two significant figures?

A) 0.2 mL

B) 0.002 mL

C) 20.0 mL<sub>3</sub>

D)  $2.0 \times 10^3$  mL

E) 200 cm

Answer: D

Objective: 2.3

Global: G4

16) Significant figures are important because they indicate \_\_\_\_\_.

A) a counted number

B) the number of digits on a calculator

C) the number of measurements D)

the number of digits in a

measurement E) the accuracy of the

conversion factor Answer: D

Objective: 2.4

Global: G2

17) Which of the following measurements has three significant figures? A) 0.005 m  
B) 510 m C) 0.510 m D) 0.051 m E) 5100 m

Answer: C

Objective: 2.4

Global: G4

18) Which of the following numbers contains the designated CORRECT number of significant figures?  
A) 0.043 00 5 significant figures  
B) 0.00302 2 significant figures C) 156 000 3 significant figures  
D) 1.042 significant figures  
E) 3.0650 4 significant figures

Answer: C

Objective: 2.4

Global: G4

19) The number of significant figures in the measurement of 45.030 mm is \_\_\_\_\_.

A) none

B) three

C) four

D) five

E) six

Answer: D

Objective: 2.4

Global: G4

20) How many significant figures are in the number 0.00208? A) six  
B) two C) three D) four  
E) five

Answer: C

Objective: 2.4

Global: G4

21) Which of the following examples illustrates a number that is correctly rounded to three significant figures?

- A) 4.05438 grams to 4.054 grams
- B) 0.03954 grams to 0.040 grams
- C) 103.692 grams to 103.7 grams
- D) 109 526 grams to 109 500 grams
- E) 20.0332 grams to 20.0 grams

Answer: E

Objective: 2.4

Global: G4

22) A calculator answer of 423.6059 must be rounded off to three significant figures. What answer is reported?

- A) 423 B) 424
- C) 420 D) 423.6
- E) 423.7

Answer: B

Objective: 2.4

Global: G4

23) Which of the answers for the following conversions contains the correct number of significant figures?

A)  $2.543 \text{ m} \times \frac{39.37 \text{ in}}{1 \text{ m}} = 100.1942 \text{ in}$

B)  $2 \text{ L} \times \frac{1.057 \text{ qt}}{1 \text{ L}} = 2.12 \text{ qt}$

C)  $24.95 \text{ min} \times \frac{1 \text{ h}}{60 \text{ min}} = 0.4158 \text{ h}$

D)  $12.0 \text{ ft} \times \frac{12 \text{ in.}}{1 \text{ ft}} \times \frac{2.54 \text{ cm}}{1 \text{ in}} = 370 \text{ cm}$

E)  $24.0 \text{ kg} \times \frac{1 \text{ lb}}{2.205 \text{ kg}} = 11 \text{ lb}$

Answer: C

Objective: 2.4

Global: G4

24) What is the correct answer for the calculation of a volume (in mL) with measured numbers

$$\frac{28.58}{16 \times 8.02} ?$$

- A) 0.22 mL
- B) 0.223 mL
- C) 57 mL
- D) 14 mL
- E) 14.3 mL

Answer: A

Objective: 2.4

Global: G4

25) A researcher needed three samples of sodium chloride solution, each with a volume of 0.03510 mL. The total volume needed, if the three volumes are added together, should be reported as \_\_\_\_\_.

- A) 0.105 mL
- B) 0.0105 mL
- C) 0.10 mL D)
- 0.10530 mL E)
- 0.1053 mL

Answer: D

Objective: 2.4

Global: G4

26) What is the answer, with the correct number of significant figures, for this problem?

$$4.392 \text{ g} + 102.40 \text{ g} + 2.51 \text{ g} =$$

- A) 109.302 g
- B) 109 g
- C) 109.3 g
- D) 109.30 g
- E) 110 g

Answer: D

Objective: 2.4

Global: G4

27) The correct answer for the addition of 7.5 g + 2.26 g + 1.311 g + 2 g is

\_\_\_\_\_. A) 13.071 g

- B) 13 g C)
- 13.0 g D) 10 g
- E) 13.1 g

Answer: B

Objective: 2.4

Global: G4



28) In which of the following is the metric unit paired with its correct abbreviation?

- A) microgram / mg
- B) milliliter / mL
- C) centimeter / km
- D) kilogram / cg
- E) gram / gm

Answer: B

Objective: 2.5

Global: G2

29) Which of the following is the largest unit?

- A) millimeter
- B) micrometer
- C) meter
- D) decimeter
- E) kilometer

Answer: E

Objective: 2.5

Global: G2

30) What is the metric relationship between grams and micrograms?

- A)  $1 \text{ g} = 100 \text{ }\mu\text{g}$
- B)  $1 \text{ g} = 1\,000\,000 \text{ }\mu\text{g}$
- C)  $1 \text{ g} = 0.000001 \text{ }\mu\text{g}$
- D)  $1 \text{ g} = 1000 \text{ }\mu\text{g}$
- E)  $1 \text{ g} = 0.001 \text{ }\mu\text{g}$

Answer: B

Objective: 2.5

Global: G2

31) What is the conversion factor for the relationship between millimeters and centimeters?

- A)  $1 \text{ mm}/1 \text{ cm}$
- B)  $10 \text{ mm}/1 \text{ cm}$
- C)  $1 \text{ cm}/1 \text{ mm}$
- D)  $100 \text{ mm}/1 \text{ cm}$
- E)  $10 \text{ cm}/1 \text{ mm}$

Answer: B

Objective: 2.5

Global: G2

32) Which of the following is the smallest unit?

- A) gram
- B) milligram
- C) kilogram
- D) decigram
- E) microgram

Answer: E

Objective: 2.5

Global: G2

33) The cubic centimeter (cm<sup>3</sup> or cc) has the same volume as a \_\_\_\_\_.

- A) cubic inch
- B) cubic liter
- C) milliliter
- D) centimeter
- E) cubic decimeter

Answer: C

Objective: 2.5

Global: G2

34) 9.31 g is the same mass as \_\_\_\_\_.

- A) 931 μg
- B) 931 kg
- C) 93.1 cg
- D) 9 310 mg
- E) 0.0931 dg

Answer: D

Objective: 2.5

Global: G4

35) According to the United States Food and Drug Administration, the recommended daily requirement of protein is 44 g. This is \_\_\_\_\_ oz of protein.

- A) 1248.5
- B) 320 000
- C) 1.6
- D) 0.0605 E) 150

000 Answer: C

Objective: 2.5, 2.7

Global: G4

36) Which of the following setups would convert centimeters to feet?

A)  $\text{cm} \times \frac{2.54 \text{ in.}}{1 \text{ cm}} \times \frac{1 \text{ ft}}{12 \text{ in.}}$

B)  $\text{cm} \times \frac{2.54 \text{ cm}}{1 \text{ in.}} \times \frac{12 \text{ in.}}{1 \text{ ft}}$

C)  $\text{cm} \times \frac{1 \text{ in.}}{2.54 \text{ cm}} \times \frac{1 \text{ ft}}{12 \text{ in.}}$

D)  $\text{cm} \times \frac{1 \text{ in.}}{2.54 \text{ cm}} \times \frac{12 \text{ in.}}{1 \text{ ft}}$

E)  $\text{cm} \times \frac{2.54 \text{ cm}}{1 \text{ in.}} \times \frac{1 \text{ ft}}{12 \text{ in.}}$

Answer: C

Objective: 2.6, 2.7

Global: G4

37) A conversion factor set up correctly to convert 15 inches to centimeters is \_\_\_\_\_.

- A) 100 cm/1 m
- B) 1 inch/2.54 cm
- C) 1 cm/10 mm D)
- 2.54 cm/1 inch E)
- 10 cm/1 inch

Answer: D

Objective: 2.6, 2.7

Global: G4

38) How many pounds are in 3.5 kg?

- A) 7.7 lb
- B) 1.59 lb
- C) 0.629 lb
- D) 1.6 lb
- E) 7.70 lb Answer:

A Objective: 2.6,

2.7 Global: G4

39) How many liters of soft drink are there in 5.25 qt?

- A) 4950 L
- B) 55.7 L C) 4.97
- L D) 5.57 L E) 5.0
- L Answer: C

Objective: 2.6, 2.7

Global: G4

40) What is 6.5 m converted to inches?

- A) 1700 in
- B) 1651 in
- C) 39 in
- D) 260 in
- E) 255.9 in

Answer: D

Objective: 2.6, 2.7

Global: G4

41) How many kilograms are in 30.4 lb?

- A) 13.8 kg
  - B) 14 kg C) 67 kg
  - D) 66.88 kg E) 66.9 kg
- Answer: A  
Objective: 2.6, 2.7  
Global: G4

42) A dose of aspirin of 5.0 mg per kilogram of body weight has been prescribed to reduce the fever of an infant weighing 8.5 pounds. The number of milligrams of aspirin that should be administered is \_\_\_\_\_.

- A) 19 mg
  - B) 53 mg C) 1.6 mg
  - D) 5.0 mg E) 0.59 mg
- Answer: A  
Objective: 2.6, 2.7  
Global: G4

43) An alloy of iron contains 75.0% iron and 25.0% other elements. How many grams of iron are present in 150. g of the alloy?

- A) 37.5 g B) 113 g
  - C) 11 300 g D) 3 750 g
  - E) 2.00 g
- Answer: B  
Objective: 2.6, 2.7  
Global: G4

44) One form of stainless steel contains 18.0% nickel. How much nickel is present in 200. g of this alloy?

- A) 36.0 g B) 164 g
  - C) 11.1 g D) 0.0122 g
  - E) 18.0 g
- Answer: A  
Objective: 2.6, 2.7  
Global: G4

45) A 100.0 g sample of eighteen karat gold is contains 75.0 g of gold and 25.0 g of other metals. What is the percent of gold in the sample?

- A) 125% B) 50%  
C) 100.0% D)  
25.0% E) 75.0%

Answer: E

Objective: 2.6, 2.7

Global: G4

46) An sample of hamburger had a total mass of 200. g, of which 30.0 g was found to be fat. What is the percent of fat in this hamburger sample?

- A) 30.0% B)  
6.00% C) 15.0%  
D) 6.67% E)

13.3% Answer: C

Objective: 2.6, 2.7

Global: G4

47) If 5.00 lb of potatoes costs \$3.60, how much would 1.30 kilograms of potatoes cost?

- A) \$2.06  
B) \$10.30  
C) \$0.43  
D) \$3.97  
E) \$0.86

Answer: A

Objective: 2.6, 2.7

Global: G4

48) If a car travels 23 miles on 1.0 gal of gas, how many liters of gasoline are needed for a 135 mile trip?

- A)14L B) 5.9 gal  
C)22L D)25L  
E)32L Answer: C

Objective: 2.6, 2.7

Global: G4

49) The mercury level in cod was measured at 0.11 ppm. How many mg of mercury are present in a 150 g serving of cod?

- A) 0.11 mg B)  
0.17 mg C) 0.017  
mg D) 0.14 mg E)

150 mg Answer: C

Objective: 2.6, 2.7

Global: G4

50) The herbicide level in the soil in a corn field was measured at 3.0 ppb. How many  $\mu\text{g}$  of herbicide are present in 1.0 lb of soil?

- A) 0.7  $\mu\text{g}$   
B) 1.4  $\mu\text{g}$   
C) 3.0  $\mu\text{g}$   
D) 4.5  $\mu\text{g}$   
E) 0.44  $\mu\text{g}$

Answer: B

Objective: 2.6, 2.7

Global: G4

51) A nugget of gold with a mass of 521 g is added to 50.0 mL of water. The water level rises to a volume of 77.0 mL. What is the density of the gold?

- A) 10.4 g/mL  
B) 6.77 g/mL  
C) 1.00 g/mL  
D) 0.0518 g/mL  
E) 19.3 g/mL

Answer: E

Objective: 2.8

Global: G4

52) A solution has a density of 1.22 g/mL. What volume of the solution has a mass of 48.2 g?

- A) 0.00253 mL  
B) 58.8 mL  
C) 39.5 mL  
D) 49.4 mL  
E) 1.22 mL

Answer: C

Objective: 2.8

Global: G4

53) Which one of the following substances will float in gasoline, which has a density (d) of 0.66 g/mL?

A) table salt (d = 2.16 g/mL)

B) balsa wood (d = 0.16 g/mL)

C) sugar (d = 1.59 g/mL)

D) aluminum (d = 2.70 g/mL)

E) mercury (d = 13.6 g/mL)

Answer: B

Objective: 2.8

Global: G4

54) What is the mass of 2.00 L of a solution with a density of 1.15

g/mL? A) 0.023 kg

B) 2.30 kg C)

1.15 kg D)

0.015 kg E)

0.58 kg

Answer: B

Objective: 2.8

Global: G4

55) Mercury has a density of 13.6 g/mL. How many milliliters of mercury have a mass of 0.35

kg? A) 0.0257 mL

B) 0.026 mL

C) 25.7 mL

D) 26 mL E)

4760 mL

Answer: D

Objective: 2.8

Global: G4

56) What is the density of a substance with a mass of 45.00 g and a volume of 26.4 mL?

A) 1.70 g/mL

B) 1.7 g/mL C)

0.59 g/mL D)

0.587 g/mL E)

45.0 g/mL

Answer: A

Objective: 2.8

Global: G4

57) What is the mass of 53 mL of ethyl alcohol, which has a density of 0.79

g/mL? A) 67.1 g

B) 41.9 g C)

42 g D) 67 g

E) 53 g

Answer: C

Objective: 2.8

Global: G4

58) The density of a solution is 1.18 g/mL, and its volume is 25.0 mL. The mass of the sample is \_\_\_\_\_.

- A) 29.5 g  
B) 21.2 g  
C) .0472 g  
D) 1.18 g  
E) 25.0 g

Answer: A

Objective: 2.8

Global: G4

59) Diamond has a density of 3.52 g/mL. What is the volume in cubic centimeters of a diamond with a mass of 15.1 g?

- A) 4.3 cm<sup>3</sup>  
B) 4.29 cm<sup>3</sup>  
C) 0.233 cm<sup>3</sup>  
D) 53 cm<sup>3</sup>

E) 53.2 cm<sup>3</sup>

Answer: B

Objective: 2.8

Global: G4

60) The ratio of the mass of a substance to its volume is its \_\_\_\_\_.

- A) specific gravity  
B) density  
C) buoyancy  
D) weight  
E) conversion factor

Answer: B

Objective: 2.8

Global: G4

61) A 50.0 mL liquid sample has a mass of 50.7 g. The density of the sample is \_\_\_\_\_.

- A) 1.01 g/mL  
B) 0.986 g/L  
C) 1.01  
D) 0.986  
E) 50.7

Answer: A

Objective: 2.8

Global: G4

G4



## 2.2 Matching Questions

**Are the numbers in each of the following statements measured or exact?**

- A) exact
- B) measured

1) In the U.S. system there are 5280 feet in one mile.

Objective: 2.3

Global: G2

2) A lab test showed a blood sugar level is 350 mg/dL. Objective: 2.3

Global: G2

3) There are 452 pages in a book.

Objective: 2.3

Global: G2

4) The rabbit weighs 2.5

pounds. Objective: 2.3

Global: G2

5) There are 100 aspirin in a

bottle. Objective: 2.3

Global: G2

6) You feel ill and your temperature is 100.1 °F.

Objective: 2.3

Global: G2

Answers: 1) A 2) B 3) A 4) B 5) A 6) B

**Match the type of measurement to the unit given below.**

- A) volume
- B) mass
- C) distance
- D) density
- E) temperature

7) milliliter  
Objective: 2.1  
Global: G2

8) mm  
Objective: 2.1  
Global: G2

9) gram  
Objective: 2.1  
Global: G2

10) 125 K  
Objective: 2.1  
Global: G2

11) kilometer  
Objective: 2.1  
Global: G2

Answers: 7) A 8) C 9) B 10) E 11) C

Select the correct prefix to complete the equality.

- A) 0.001
- B) 100
- C) 1
- D) 10
- E) 1000

12) 1 g = \_\_\_\_\_ kg  
Objective: 2.5  
Global: G4

13) 1 m = \_\_\_\_\_ mm  
Objective: 2.5  
Global: G4

14) 1 cm = \_\_\_\_\_  
mm Objective: 2.5  
Global: G4

15) 1 dL = \_\_\_\_\_ mL  
Objective: 2.5  
Global: G4

16) 1 mL = \_\_\_\_\_  
cc Objective: 2.5  
Global: G4

Answers: 12) A 13) E 14) D 15) B 16) C

### 2.3 True/False Questions

1) A kilogram is a unit of volume.  
Answer: FALSE  
Objective: 2.1  
Global: G2

2) A liter is a unit of volume.  
Answer: TRUE Objective:  
2.1  
Global: G2

3) The number  $1.2 \times 10^{-5}$  is larger than the number  $1.2 \times 10^{-4}$ .  
Answer: FALSE  
Objective: 2.2  
Global: G4

4) The number  $1.3 \times 10^4$  is smaller than the number  $1.3 \times 10^5$ .  
Answer: TRUE  
Objective: 2.2  
Global: G4

5) The measurement 1.230 cm has 4 significant figures. Answer: TRUE  
Objective: 2.3  
Global: G2

6) The measurement 0.03550 has 4 significant figures.  
Answer: TRUE  
Objective: 2.3  
Global: G2

7) When the measurement 3.32 cm is multiplied by the measurement 0.02 cm, the answer will have three significant figures.  
Answer: FALSE  
Objective: 2.4  
Global: G2

8) When the measurement 13.36 cm is added to the measurement 0.02 cm, the answer will 13.38 cm. Answer: TRUE  
Objective: 2.4  
Global: G2

9) A microgram is larger than a gram.  
Answer: FALSE  
Objective: 2.5  
Global: G2

10) A 1-cup measuring cup holds about 240 mL. Answer: TRUE  
Objective: 2.5  
Global: G2

11) One conversion factor for cm and m is 100 m/1 cm. Answer: FALSE  
Objective: 2.6  
Global: G2

12) One conversion factor for mL and L is 1000 mL/1 L. Answer: TRUE  
Objective: 2.6  
Global: G2

13) Water (density = 1.00 g/mL) will float on hexane (density = 0.95 mL). Answer: FALSE  
Objective: 2.8  
Global: G2

14) The mass of 10.0 mL of water is approximately 10.0 kg.  
Answer: FALSE  
Objective: 2.8  
Global: G2

#### 2.4 Short Answer Questions

**Round off each of the following to three significant figures.**

1) 504.85  
Answer: 505  
Objective: 2.3  
Global: G2

2) 8.3158  
Answer: 8.32  
Objective: 2.3  
Global: G2

3) 25 225  
Answer: 25 200  
Objective: 2.3  
Global: G2

4) 58.5422  
Answer: 58.5  
Objective: 2.3  
Global: G2

5) 0.003 408 8  
Answer: 0.00341  
Objective: 2.3  
Global: G2

**Express each of the following numbers using scientific notation.**

6) 351 000 000 000

Answer:  $3.51 \times 10^{11}$

Objective: 2.2

Global: G4

7) 0.000 860

Answer:  $8.60 \times 10^{-4}$

Objective: 2.2

Global: G4

8) 5 207 000

Answer:  $5.207 \times 10^6$

Objective: 2.2

Global: G4

9) 0.000 000 050

Answer:  $5.0 \times 10^{-8}$

Objective: 2.2

Global: G4

**State the number of significant figures in each of the following measurements.**

10) 0.705 m

Answer: 3

Objective: 2.3

Global: G2

11) 680 000

km Answer: 2

Objective: 2.3

Global: G2

12) 28.050 km

Answer: 5

Objective: 2.3

Global: G2

13) 0.0005 L

Answer: 1

Objective: 2.3

Global: G2

14) 75.00 m

Answer: 4

Objective: 2.3

Global: G2

15)  $2.043 \times 10^4$   
mm Answer: 4  
Objective: 2.3  
Global: G2

16)  $6.1 \times 10^{-5}$   
mL Answer: 2  
Objective: 2.3  
Global: G2

17)  $9.00 \times 10^6$   
g Answer: 3  
Objective: 2.3  
Global: G2

18) The unit of volume in the SI system is the \_\_\_\_\_.  
Answer: cubic meter  
Objective: 2.1  
Global: G2

19) The unit of mass in the metric system is the \_\_\_\_\_.  
Answer: gram  
Objective: 2.1  
Global: G2

20) The number 0.000 056 can be expressed in scientific notation as \_\_\_\_\_.  
Answer:  $5.6 \times 10^{-5}$   
Objective: 2.2  
Global: G4

21) Ten karat gold is 41.7% gold. How many grams of pure gold are there in a ring made of 70.0 g of ten karat gold?  
Answer: 29.2 g  
Objective: 2.6, 2.7  
Global: G4

22) To calculate the density of a solid object, two measurements are needed, its \_\_\_\_\_ and \_\_\_\_\_.  
Answer: mass, volume  
Objective: 2.8  
Global: G2

23) Rubbing alcohol (isopropyl alcohol) has a density of 0.79 g/mL. How many mL of isopropyl alcohol contain 45 g of alcohol?  
Answer: 57 mL  
Objective: 2.8  
Global: G4

24) The density of gold is 19.3 g/mL. How many grams of gold are in a medal that has a volume of 15.0 mL?

Answer: 290. g of gold

Objective: 2.8

Global: G4