

Directions: Answer the following question(s).

- 1 Ms. Alonzo brought some juice boxes to a picnic. She brought 6 packs of juice boxes. Each pack has 8 juice boxes. She also brought another 3 juice boxes. Which expression can be used to find the total number of juice boxes that Ms. Alonzo brought to the picnic?
- A. $6 \times 3 + 8$
B. $6 \times 8 + 3$
C. $6 \times (8 + 3)$
D. $(6 + 8) \times 3$
- 2 Which place value position is ten times larger than the hundreds position?
- A. ones place
B. tens place
C. hundreds place
D. thousands place
- 3 A half-dollar is worth 0.50 of a dollar. Which of the following correctly states the solution and explains how to find the value of 10^3 half-dollars?
- A. To multiply 0.50×10^3 , remove the decimal point and add on 3 zeros to the number, making the value \$50,000.
B. To multiply 0.50×10^3 , move the decimal point 3 places to the right, making the value \$500.
C. To multiply 0.50×10^3 , move the decimal point 1 place to the right, making the value \$5.00.
D. To multiply 0.50×10^3 , move the decimal point 1 place to the left, making the value \$0.05.
- 4 What is five and twenty-three thousandths in standard form?
- A. 5.023
B. 5.23
C. 5.0023
D. 5.230
- 5 Which of the following statements is true?
- A. $1.03 > 1.004$
B. $1.030 > 1.03$
C. $1.05 > 1.3$
D. $1.011 > 1.10$
- 6 Lucas used a calculator to divide 15 by 8 and got 1.875. What is the number rounded to nearest tenth?
- A. 1.8
B. 1.88
C. 1.9
D. 2.0
- 7 Evaluate.
 $7 \times (2 + 3) - 7$
- A. 28
B. 26
C. 23
D. 14
- 8 What is the value of this expression?
 $(6 + 11) - (6 \times 2)$
- A. 22
B. 11
C. 9
D. 5
- 9 Sarah has some marbles. Glen has 10 times as many marbles as Sarah. Which of the following can be the numbers of marbles they have?
- A. Sarah has 59 and Glen has 590.
B. Sarah has 420 and Glen has 42.
C. Sarah has 317 and Glen has 327.
D. Sarah has 26 and Glen has 2,600.

Directions: Answer the following question(s).

- 10 Look at the expression below.

$$3.72 \div 10^4$$

Which of these shows and explains the correct location of the decimal point when the expression is evaluated?

- A. 0.0000372 because 4 zeros are placed in front of the number when you divide by 10^4
- B. 0.000372 because the decimal point moves 4 places to the left when you divide by 10^4
- C. 37,200 because the decimal point moves 4 places to the right when you divide by 10^4
- D. 3,720,000 because 4 zeros are placed after the number when you divide by 10^4

- 11 Which expression is equal to 47.906?

- A. $(4 \times 10) + (7 \times 1) + (9 \times 1) + (6 \times 100)$
- B. $(4 \times 10) + (7 \times 1) + (9 \times \frac{1}{1}) + (6 \times \frac{1}{100})$
- C. $(4 \times 10) + (7 \times 1) + (9 \times \frac{1}{10}) + (6 \times \frac{1}{1000})$
- D. $(4 \times 10,000) + (7 \times 1000) + (9 \times 10) + (6 \times 1)$

- 12 Which expression is **TRUE**?

- A. $0.15 > 0.145$
- B. $0.254 > 0.42$
- C. $0.450 > 0.45$
- D. $0.052 > 0.402$

- 13 In the number below, the digit 2 appears three times.

325,012.782

Which of the following are the correct places in which the digit 2 appears?

- A. the ten thousands, ones, and thousandths places
- B. the thousands, ones, and thousandths places
- C. the ten thousands, tens, and thousandths places
- D. the thousands, tens, and hundredths places

- 14 Which number sentence is correct?

- A. $31.009 < 31.07$
- B. $32.06 < 32.060$
- C. $44.050 < 40.55$
- D. $54.02 < 54.004$

- 15 Ronny had \$5 and bought a sandwich for \$2.37. Round the change Ronny received back from his purchase to the nearest tenth of a dollar.

- A. \$2.30
- B. \$2.40
- C. \$2.60
- D. \$2.70

- 16 Compute:

$$1234 \times 24 =$$

- A. 1210
- B. 1258
- C. 7404
- D. 29,616