

Directions: Answer the following question(s).

- 1 Tarik wrote the expression  $(5 \times 25) - 12$ . Which question means the same as the expression Tarik wrote?

- A. What is the value of the product of 5 and 12 less than 25?
- B. What is the value of the product of 5 and 12 more than 25?
- C. What is the value of 12 less than the product of 5 and 25?
- D. What is the value of 12 more than the product of 5 and 25?

- 2 Look at the number below.  
5.55

How does the value of the underlined digit compare to the value of the digit to its left?

- A. It is 10 times the value of the digit to the left.
- B. It is  $\frac{5}{10}$  the value of the digit to the left.
- C. It is 5 times the value of the digit to the left.
- D. It is  $\frac{1}{10}$  the value of the digit to the left.

- 3 Ashley's car weighs more than Joseph's car. Joseph wrote the following equation for the weight of his car.

$$3.24 \times 10^2 \text{ pounds}$$

Which number below shows how much Ashley's car could weigh?

- A. 3.25 pounds
- B. 32.4 pounds
- C. 324 pounds
- D. 325 pounds

- 4 Look at the expression below.

$$9.43 \div 10^5$$

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

- A. 0.0000943 because the decimal point moves 5 places to the left when you divide by  $10^5$
- B. 0.00000943 because the decimal point moves 5 places to the left when you divide by  $10^5$
- C. 943,000 because the decimal point moves 5 places to the right when you divide by  $10^5$
- D. 9,430,000 because the decimal point moves 5 places to the right when you divide by  $10^5$

- 5 Which of the following is the same as 117.395?

- A. one hundred seventeen and three hundred ninety-five hundredths
- B. one hundred seventeen and three hundred ninety-five
- C. one hundred seventeen and three tenths and nine hundredths and five thousandths
- D. one hundred seventeen and three hundred ninety-five thousandths

- 6 Look at the expanded form of this number.

$$(2 \times 10) + \left(1 \times \frac{1}{10}\right) + \left(8 \times \frac{1}{1000}\right)$$

Which decimal has the same value as the expanded form?

- A. 2.108
- B. 20.0108
- C. 20.108
- D. 20.18

Directions: Answer the following question(s).

- 7 What is the value of the expression below?  
 $(20 \div 4) \times (16 + 2)$

A. 23  
B. 82  
C. 90  
D. 288

- 8  $5 \times (21 + 9) \div 2$   
Which statement describes the expression?

A. five times twenty-one plus nine divided by two  
B. five times twenty-one and nine divided by two  
C. five times the sum of twenty-one and nine, divided by two  
D. five more than twenty-one plus nine divided by two

- 9 What decimal number describes  $\frac{1}{10}$  of 0.04?

A. 0.004  
B. 0.040  
C. 0.40  
D. 4.0

- 10 Multiply.

$$701 \times 22 =$$

A. 1,402  
B. 1,562  
C. 2,804  
D. 15,422

- 11 A farmer bought 16,980 pounds of soil. The soil comes in bags that each hold 15 pounds. The farmer solved the division problem shown below to find out how many bags of soil were bought.

$$16,980 \div 15 = 1,123$$

Which statement is true about the farmer's division problem?

- A. The division problem is solved correctly.  
B. The division problem has incorrect digits in the tens and ones places in the quotient.  
C. The division problem has incorrect digits in the hundreds and tens places in the quotient.  
D. This division problem has incorrect digits in the thousands and hundreds places in the quotient.