

Name _____

1. Which of the following is equal to 25?

(A) $22 + (9 \times 3)$

(B) $50 \div (10 - 5)$

(C) $5 \times (13 - 8)$

(D) $17 + (40 \div 4)$

1 point

2. Select all of the expressions that are equal to 6×72 . **1 point**

$(6 \times 2) + (6 \times 70)$

$3 + 3 \times 72$

$6 \times 70 + 2$

$6 \times (7 + 2)$

$6 \times (60 + 12)$

3. Which is the value of the expression $3 \times (5 + 2) \times 4$? **1 point**

(A) 23

(B) 34

(C) 68

(D) 84

4. Which expression represents the following calculation? **1 point**

Subtract 23 from the product of 8 and 7.

(A) $23 - (8 \times 7)$

(B) $(8 \times 7) - 23$

(C) $(23 - 8) \times 7$

(D) $8 \times (7 - 23)$

5. What is the value of $(3 \times 8) + (5 \times 6)$?

1 point

54

6. Explain how the value of Expression A compares to the value of Expression B.

A $18 + \frac{1}{2}$

1 point

B $2\frac{1}{3} \times (18 + \frac{1}{2})$

Expression B is $2\frac{1}{3}$ times as large as Expression A.

7. Write $>$, $<$, or $=$ in the circle to make the statement true. **1 point**

$(1,578 + 185) \div 8$ $\textcircled{=}$ $(1,578 + 185) \times \frac{1}{8}$

8. Insert parentheses to make the statement true. **1 point**

$(15 - 2) \times 6 + 2 = 80$

9. Which expression represents the following calculation? **1 point**

Add 2 to the quotient of 9 and 3.

- (A) $(2 + 9) \div 3$
(B) $9 \div (2 + 3)$
(C) $2 + (3 \div 9)$
(D) $(9 \div 3) + 2$

10. What is the value of the expression $(20 + 22) \div 3$? **1 point**

14

11. Evaluate the expression $(8 + 5 \times 9) - 2$. Show your work. **2 points**

$$\begin{aligned}(8 + 5 \times 9) - 2 &= \\(8 + 45) - 2 &= \\53 - 2 &= 51\end{aligned}$$

12. Write $>$, $<$, or $=$ in the circle to make the statement true. **1 point**

$$(418 - 212) \times 11 \quad \textcircled{<} \quad (418 - 212) \times 12$$

13. Write an expression to find the product of 4 and 6 plus the product of 7 and 9. Then solve. **2 points**

$$(4 \times 6) + (7 \times 9); 87$$

14. Evaluate the expression.

$$7 \times (4 + 11) - 9$$

- A. What step do you perform first in evaluating this expression? **1 point**

Add 4 and 11.

- B. What step do you perform second in evaluating this expression? **1 point**

Multiply 7 by 15.

- C. What is the value of the expression? **1 point**

96