

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)  $17 + (40 \div 4)$

2. Select all of the expressions that are equal to  $6 \times 72$ .

- $(6 \times 2) + (6 \times 70)$
- $3 + 3 \times 72$
- $6 \times 70 + 2$
- $6 \times (7 + 2)$
- $6 \times (60 + 12)$

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

- (A) 23
- (B) 34
- (C) 68
- (D) 84

4. Which expression represents the following calculation?

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  $(3 \times 8) + (5 \times 6)$ ?

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

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

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

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

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

8. Insert parentheses to make the statement true.

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

9. Which expression represents the following calculation?

Add 2 to the quotient of 9 and 3.

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

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

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

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

$$(418 - 212) \times 11 \bigcirc (418 - 212) \times 12$$

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

14. Evaluate the expression.

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

A. What step do you perform first in evaluating this expression?

B. What step do you perform second in evaluating this expression?

C. What is the value of the expression?