

Block 1 Review ~ Order of Operations

Name _____ Period _____ Date _____

1. What is the value of $10 - 8 \div 2 + 1$?

- A. 2
- B. 5
- C. 7
- D. 8

2. What is the value of $3 + 4 \times 2 - 5$?

- A. 9
- B. 6
- C. 3
- D. 0

3. Three friends went to a ballgame. Each bought a ticket for \$8 and they shared a bag of peanuts that cost \$5. Which expressions represent how much they spent in all? Circle all that apply.

- A. $3(8+5)$
- B. $3 \times 8 + 5$
- C. $8+5+5+5$
- D. $3 \times 8 \times 5$
- E. $5+8+8+8$
- F. $8(3+5)$

4. How do you write the numerical expression below as a power?

$$6 \times 6 \times 6 \times 6 \times 6$$

- A. 5^6
- B. 6^5
- C. 6^6
- D. 65

5. Which of the following is equivalent to 3^4 ?

- A. 3×4
- B. $3 \times 3 \times 3 \times 3$
- C. $4 \times 4 \times 4$
- D. 12

6. Which of the following statements are true? Circle all that apply.

- A. $4^3 > 8^2$
- B. $5^2 < 2^5$
- C. $1^3 = 1^2$
- D. $2^3 > 3^2$
- E. $4^3 = 6^2$
- F. $1^6 < 1^{10}$

7. What is the value of the expression below?

$$5^2 - 3 \times 5$$

- A. 10
- B. 15
- C. 25
- D. 35

For numbers 8a – 8d, determine whether each statement is true or false.

8a. $6 + 3^2 - 2 = 12$ TRUE FALSE

8b. $4^2 + 3 \times 2 = 14$ TRUE FALSE

8c. $2^4 - 3 \times 2 = \frac{3+7}{2} + 5$ TRUE FALSE

8d. $12 \div 3 + 2^3 = 4(2+1)$ TRUE FALSE

9. Ali ate a giant pretzel that had 4^4 calories. She also ate 3 carrots that had 15 calories each. How many calories did Ali consume in all?

- A. 34 calories
- B. 61 calories
- C. 63 calories
- D. 301 calories

10. Natasha gets \$3 of store credit for every video game she trades in. On Monday, she traded in 4 games. On Thursday, she traded in 6 games. On Friday she traded in her last 2 games. How much store credit did Natasha have at the end of the week?

- A. \$15
- B. \$20
- C. \$36
- D. \$144

11. What is the value of the expression below?

$$\frac{(5-1)^2}{6+2}$$

- A. $\frac{1}{2}$
- B. 1
- C. 2
- D. 4

12. What operation will make the following expression equal 4?

$$(3+3)^2 \bullet (5+4)$$

- A. +
- B. -
- C. \times
- D. \div

13. Which property is shown by the following statement?

$$7 + (5 + 2) = (7 + 5) + 2$$

- A. Associative
- B. Commutative
- C. Distributive
- D. Transitive

14. Which of the following mathematical statements is true? Circle all that apply.

- A. $(9 - 4) - 1 = 9 - (4 - 1)$
- B. $28 \div 2 = 2 \div 28$
- C. $7 + 12 = 12 + 7$
- D. $13 + (2 + 9) = (13 + 2) + 9$
- E. $14 - 6 = 6 - 14$