**CASTLE LEARNING ASSIGNMENT 5A**

1.  Calculate: 42 + 12 - 2 =

Answer: \_\_\_\_\_\_\_

2.  Find the value of 52 × 32 + 1.

Answer: \_\_\_\_\_\_\_

3.  Simplify the expression: (16 ÷ 2) ÷ (9 - 8) = \_\_\_\_\_\_\_

Answer: \_\_\_\_\_\_\_

4.  Which of the following operations should *usually* be performed first in a mathematical expression?

1. Addition
2. Subtraction
3. Exponents
4. Division

5.  What is the value of 3 × 6 ÷ 2 + 8?

Answer: \_\_\_\_\_\_\_

6.  Which variable expression is equivalent to a number decreased by 7?

1. *x* - 7
2. 7 + *x*
3. 7 ÷ *x*
4. 7*x*

7.  Which phrase could *not* represent the expression 4 + *x*?

1. The product of 4 and a number
2. The sum of 4 and a number
3. The total of 4 and a number
4. A number added to 4

8.  How can you write the quotient of *m* and 9 as a mathematical expression?

1. 9*m*
2. *m* + 9
3. *m* − 9
4. *m* ÷ 9

9.  Which variable expression is equal to 12 increased by a number?

1. *x* − 12
2. 12 + *x*
3. 12*x*
4. 12 ÷ *x*

10.  How would you express the product of *q* and 52 as a mathematical expression?

1. 52*q*
2. 52 + *q*
3. 52 ÷ *q*
4. 52 − *q*

11.  Solve for *x*:   5 + *x* = 15

Answer: *x* = \_\_\_\_\_\_\_

12.  Solve for *x*:    3 + *x* = 9.

Answer: *x* = \_\_\_\_\_\_\_

13.  Solve for *m*:    *m* - 55 = 20.

Answer: *m* = \_\_\_\_\_\_\_

14. Solve for *m*: 5*m* = 45.

1. *m* = 8
2. *m* = 9
3. *m* = 10
4. *m* = 11

15.  Find *x* in the equation  = 7.

1. 21
2. 28
3. 35
4. 42