Additional Problems: Structures of Expressions

**Parts of Algebraic Expressions**

1. Using the equation C = 5 + 2x, which of the following statements could be a correct interpretation of the coefficient of a term?
   1. Dequindre spent $2.00 per squash at the farmer’s market.
   2. Dequindre spent $5.00 per squash at the farmer’s market.
2. Using the equation C = 10 + 8x, which of the following statements could be a correct interpretation of the coefficient of a term?
   1. Liam spent $10.00 per shirt at the store.
   2. Liam spent $8.00 per shirt at the store.
3. Which of the following statements about the equation 3x – 2 = 6 + x is correct?
   1. There are two constants in the equation.
   2. X does not have a coefficient.
   3. There are two terms in the equation.
4. Which of the following statements about the equation 1y = 2x is correct?
   1. Y does not have a coefficient.
   2. X does not have a coefficient.
   3. There are two terms in the equation.
5. Which of the following options contains two coefficients and three terms?
   1. 2x – 1 = 10
   2. 20 + 4x = 15
   3. -2x = 3y + 1
6. Consider the expression . What is the result of the first simplification that would need to take place, according to the order of operations?
   1. 7
   2. 2
   3. 10
7. Juan and Nico went to the tennis match. They paid an parking fee for the car and individual entry fees for themselves. Their total cost can be modeled by the expression . Which of the following answer choices accurately interprets a part of the algebraic expression?
   1. Each individual entry fee was $15.00.
   2. The parking fee for the car was $5.00.
   3. The parking fee for the car was $20.00.
   4. The entry fee for the car was $15.00.
8. In the expression 4x + 2, what is the constant term?
9. In the expression 2x + 3y + 4z, how many terms are there?
10. Using the order of operations to simplify the expression 2 + 3 \* 4 - 6 / (2 + 1), what answer would be the result of your first step?
    1. 5
    2. 3
    3. -2
    4. 12