Vocabulary for Algebraic Expressions

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| 3a + 4y - 6“a” and “y” are the **variables****A *variable* is a letter or symbol that represents a number.** | 3a + 4y - 6There are 3 **terms:** 3a, 4y and 6**A *term* is either a single number or variable or the product of several numbers or variables, separated from another term by a plus or minus sign in an overall expression.** |
| 3a + 4y - 6* 3 and 4 are **coefficients**
* They explain how many of that variable the term contains

There are 3 a’s and 4 y’s**A *coefficient* is the number before the variable that expresses how many of each variable there are.** | 3a + 4y - 6* 6 is the **constant**
* The value of the term 6 will always be 6
* The values of the other terms can change depending on the values assigned to the variables

**A *constant* is a value that does not change.** |
| 3(2 + 6)* Can be described as the product of two factors: 3 and (2 + 6). (*A factor is one of the numbers that can be multiplied together to get the product)*
* The quantity (2 + 6) is viewed as one factor consisting of two terms

*A* ***quantity*** *is a specified or indefinite amount of something.* |  |
| Additional Notes:Guided Practice: |
| Label the following parts in the algebraic expression:1. Terms
2. Operations
3. Variables
4. Coefficients
5. Constant
 | $$\frac{3y+8z}{15}$$ |
| True or False? | 3 (x + 4)can be stated as both:“the product of 3 and the sum of x and 4”AND“three times the quantity of x and 4” |