

# 7th Grade Notes & Activity

Topic : ALGEBRA

Sub-Topic: ALGEBRAIC TERMS

The table below summarizes the different parts of an expression

| Part                        | Definition   | Example  |
|-----------------------------|--|--|
| <b>Variable</b>             | A symbol for a number that we do not know as yet. It is usually represented by a letter. | a b c x y n.....   |
| <b>Constant</b>             | A number that stands by itself   | 5 7 9 20 8 1...  |
| <b>Co-efficient</b>         | A number used to multiply a variable.  | 2x means 2 times x, so 2 is the co-efficient   |
| <b>Operator</b>             | A symbol that represents an operation.   | <ul style="list-style-type: none"> <li>• +</li> <li>• -</li> <li>• x</li> <li>• ÷</li> </ul>                       |
| <b>Term</b>                 | A single number or a variable, or numbers and variables multiplied together.             | <ul style="list-style-type: none"> <li>• 4x</li> <li>• 10y</li> <li>• 6x</li> </ul>                                |
| <b>Algebraic Expression</b> | A group of terms. The terms are separated by + or -.                                     | <ul style="list-style-type: none"> <li>• 6x + 4</li> <li>• 5y + y</li> <li>• 5z + 4z</li> <li>• 3x - 2x</li> </ul> |

Match the vocabulary to the correct definition. Write the answer in the blank on the left side of that paper.

\_\_\_\_\_ 1. Algebraic Expression

A. Each part of an expression separated by an operation

\_\_\_\_\_ 2. Coefficient

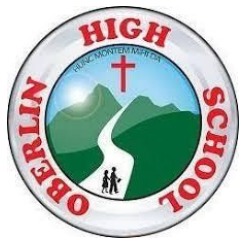
B. A number that stands by itself

\_\_\_\_\_ 3. Constant

C. A number that does not stand by itself. It is attached to the variable.

\_\_\_\_\_ 4. Term

D. A letter that stands for a particular numerical value



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5. Variable

E. A number sentence without an equal sign has at least one two terms and one operation

Identify each part of the algebraic expression as the coefficient, constant, or variable.

1.  $4x - 12$

4 is a \_\_\_\_\_

x is a \_\_\_\_\_

12 is a \_\_\_\_\_

2.  $a + 3b$

a is a \_\_\_\_\_

3 is a \_\_\_\_\_

b is a \_\_\_\_\_

3.  $6y + 0 - 7k$

6 is a(n) \_\_\_\_\_

y is a(n) \_\_\_\_\_

0 is a \_\_\_\_\_

7 is a \_\_\_\_\_

k is a \_\_\_\_\_



## Maths is FUN

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