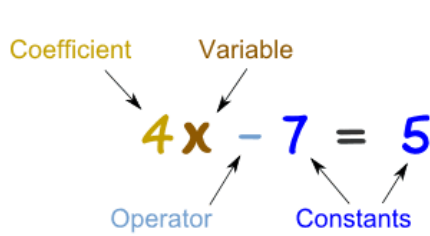


In algebra we have been learning these key words. Please make sure that the students know the various parts of the expression and terms

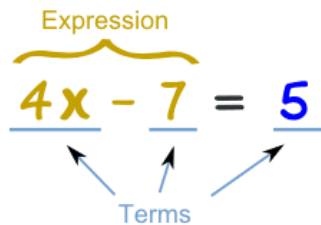


A **Variable** is a symbol for a number we don't know yet. It is usually a letter like x or y.

A number on its own is called a **Constant**.

A **Coefficient** is a number used to multiply a variable (4x means 4 times x, so 4 is a coefficient)

An **Operator** is a symbol (such as +, ×, etc) that represents an operation (ie you want to do something with the values).



A **Term** is either a single number or a variable, or numbers and variables multiplied together.

An **Expression** is a group of terms (the terms are separated by + or - signs)

- We have covered:
- Using letters to represent numbers
- Collecting up letters
- Collecting like terms
- Simplifying more complicated expressions

We are now going to move onto learning how to multiply with algebra.

- Multiplying terms together
- Using brackets in algebra
- Factorizing simple expressions
- Powers in algebra

All key stage three students have or are completing the following task

- |    |                               |    |                              |
|----|-------------------------------|----|------------------------------|
| 9  | $9x + 4y - 5x + 7y$           | 10 | $9y + 3 - 5y + 8$            |
| 11 | $3x + 2x + 7x - 5x$           | 12 | $5s + 9t - 4s - 8t$          |
| 13 | $6s + 5s - 3s + s$            | 14 | $9t - 4t + 5t - t$           |
| 15 | $5m + 6n + 6m - 3m$           | 16 | $5x + 7y + 2t - 3x + 2y$     |
| 17 | $8y + 3t + 3y + 2t - y$       | 18 | $7b + 5 + 3b - b + 2$        |
| 19 | $9x + 3y + 4y + 9y + x$       | 20 | $7t + 6r + 3r - 5t$          |
| 21 | $4a + 5b - 2b + 6b$           | 22 | $7p + 2p + 1 - 3p + 5$       |
| 23 | $3a + 4b - 3a + 4b$           | 24 | $11a + 7d - 7a - 5d + 1$     |
| 25 | $6x + 2 - 3x - 1 + 3x$        | 26 | $11x + 3y - 2x + 4y + 2$     |
| 27 | $e + 7d + 2c - 6d + c$        | 28 | $11p + 9r - 3p - 4p + 2r$    |
| 29 | $11x + 7y + 8x - 9x + y - 2x$ | 30 | $3x + 4x - 5x + 6y - 2x - y$ |

Please test your child on the above questions to make sure they understand them. Make sure they also understand the order of operations, BIDMAS.

**B**rackets

**I**ndex (indices)

**D**ivision

**M**ultiplication

**A**ddition

**S**ubtraction

In the above question you can ask which order addition or subtractions come in.

The Key stage 3 homework is on the other pdf

