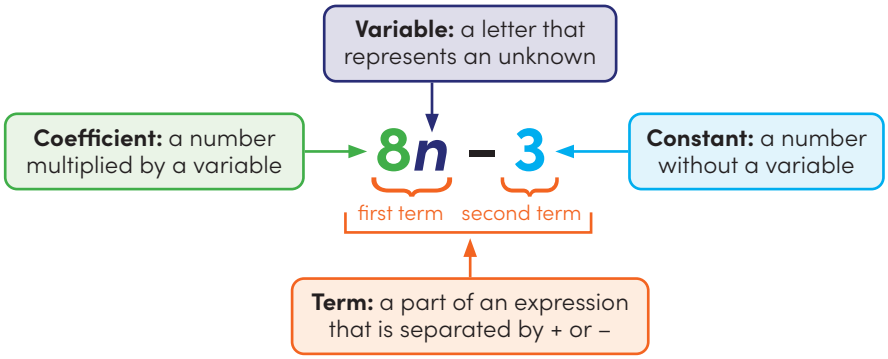
Name _____ Date Answer Key

# Parts of an Expression

An **expression** is a mathematical phrase that contains numbers, variables, or both. An expression does not have an equal sign. Expressions can have different parts. Let's look at an example.




**Answer the questions about the following expressions.**

| | |
|---|---|
| $7g - 5 + 3h$<br>How many terms does this expression have? 3<br>What are the variables? g and h<br>What is the coefficient of the third term? 3 | $-7a - 5b + 8$<br>How many terms does this expression have? 3<br>What is the constant term? 8<br>What is the coefficient of the first term? −7 |
| $-2.5r + 7.2s + 0.8$<br>What is the constant term in this expression? 0.8<br>What are the variables? r and s<br>What is the coefficient of the second term? 7.2 | $2\frac{2}{3} - \frac{1}{4}j^2 + \frac{1}{2}k^2$<br>What is the constant term in this expression? $2\frac{2}{3}$<br>What are the variables? j and k<br>What is the coefficient of the last term? $\frac{1}{2}$ |

**Write an expression for each of the following descriptions.** Sample answers

| | |
|---|---|
| Write an expression with two terms. The second term should be a constant.<br>b + 5 | Write an expression with two terms. The first term should have a coefficient of 7.<br>7w − 9 |
| Write an expression with three terms. The first term should have a negative coefficient. The second term should have *n* as a variable and a coefficient of 8.<br>−4k + 8n − 3 | Write an expression with three terms. The first term should be a constant. The last term should have a coefficient of 2.5.<br>1.6 − 3.3t + 2.5r |
| Write an expression with three terms. The first term should have a coefficient of $-\frac{4}{5}$. The last term should be a constant.<br>$-\frac{4}{5}g + \frac{2}{3}h - \frac{1}{2}$ | Write an expression with four terms. The first term should be a constant. One term should include the variable *z*. One term should have a coefficient of $\frac{1}{8}$.<br>$3 + \frac{1}{8}x - 7y + 4z^2$ |