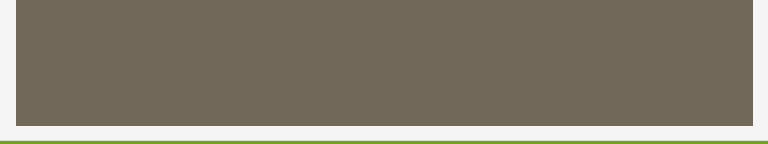




Use Variables to Write Expressions

6th Grade Mathematics
Mr. Wong



	Word Phrases	Expression
+	<ul style="list-style-type: none">• a number plus 5• sum of a number and 5• 5 more than a number	$n + 5$
-	<ul style="list-style-type: none">• subtract 11 from a number• difference of a number and 11• 11 less than a number	$x - 11$
×	<ul style="list-style-type: none">• 3 multiplied by a number• product of 3 and a number	$3 \cdot m$ or $3m$
÷	<ul style="list-style-type: none">• 7 divided into a number• quotient of a number and 7	$\frac{a}{7}$ or $a \div 7$

Example 1

Write an algebraic expression for each word phrase.

9 less than a number w

9 less than a number w

$$w - 9$$

$$w - 9$$

less than means to subtract, but to switch the order.

Example 2

Write an algebraic expression for each word phrase.

3 increased by the difference of p and 5

“increased” means to add

“difference” means to subtract

3 increased by the difference of p and 5

$$3 + (p - 5)$$

$$3 + (p - 5)$$

Example 4

Write an algebraic expression for each word phrase.

88 times the difference of h and 4

88 **times** the difference of h and 4

$$88 \cdot (h - 4)$$

$$88(h - 4)$$

Example 5

Write an algebraic expression for each word phrase.

the quotient of a number f and 6

quotient of f and 6

$$f \div 6$$

$$\frac{f}{6}$$

Example 6

Write a word phrase for the algebraic expression $9 - 3c$.

$$9 - 3c$$

$$9 - 3 \cdot c$$

9 minus the **product of** 3 and c

9 minus the product of 3 and c

Example 7

Write a word phrase for the algebraic expression $7 + 19b$.

$$7 + 19b$$

$$7 + 19 \cdot b$$

7 plus the product of 19 and b

7 plus the product of 19 and b