

Variable Expression

Expression - # sentence with variables

Variable – a letter that represents a #. The variable means it changes.

Constant – doesn't change; it is the # in a variable expression

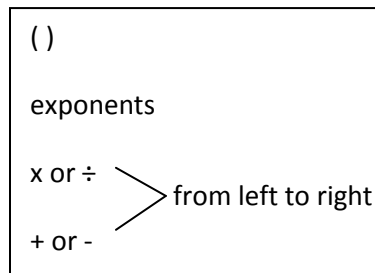
Ex. $y - 2$ (y is the variable and 2 is the constant)

Ex. $x + 7$ (x is the variable and 7 is the constant)

Ex. $5z$ (5 is the constant and z is the variable)

Ex. $j \div 8$ (j is the variable and 8 is the constant)

To solve a variable expression, replace the variable with the given #. Then solve using the order of operations.



Ex. $\frac{64}{v}$ for $v = 4 \rightarrow \frac{64}{4} = 16$

Ex. $5x + 2$ for $x = 7 \rightarrow 5 \cdot 7 + 2 = 35 + 2 = 37$

Ex. $19w$ for $w = 5 \rightarrow 19 \cdot 5 = 95$

Ex. Complete the table

n	$n \div 15$
30	
75	
15	



n	$n \div 15$
30	$30 \div 15 = 2$
75	$75 \div 15 = 5$
15	$15 \div 15 = 1$

Expressions and Word Meanings

Add – plus, sum of, total, increased by, more than

Subtract – minus, difference of, take away, decreased by, less than*

*switch the order of the variable & #

Multiply – product of, times

Divide – divided by, quotient of

Ex. $k + 7 \rightarrow$ k plus 7
sum of k and 7
k more than 7

Ex. difference of b and 12 $\rightarrow b - 12$

Ex. z less than 10 $\rightarrow 10 - z$ (switch order)