

Chapter 4-1 Evaluating and Writing
Variable Expressions.

SWBAT assign variables and write
variable expressions

Variable : is a symbol (usually a letter)
that stands for an unknown number.

Variable Expression is an expression
that contains at least one variable.
Expressions do not contain = signs nor
the answer.

Write an expression for the number of
minutes in

1 hour	5 hours	Y hours
$60 \cdot 1$	$60 \cdot 5$	$60y$

Assigning Variables

Y is considered to be an unknown quantity until
we give a numerical value.

Adding to that unknown is an expression such as

$$y + 2$$

Can be stated in many different ways

<u>Word Phrases of</u>	two	more than	a number
<u>Addition</u>	two	greater than	y
	two	plus	a number
	two	added to	a number

Multiplying a number times a variable,
the expression may look like this

3y or three times y

"Numerical Coefficient" increases the
value of the variable 3 times.

The Numerical Coefficient is
the number in front of the variable y

Is there a number in front of this variable?
Y if the variable is alone!

1y Really

Because of the Identity Property of
Multiplication The one is "Invisible".

$$x = 1x$$

$$1x + 1x + 1x = 3x$$

$$1(74) + 1(74) + 1(74) = 3(74)$$

$$2p+7 \text{ for } p=2$$

$$2(2)+7 \text{ "Plugin"}$$

$$4+7=11 \text{ "chug"}$$

$$p=2, n=3, s=5$$

$$p+(n \cdot s)$$

