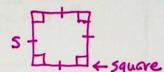
V:	aria	ble	s and	Expressi	ons
• •	<u> </u>	DIC	o arra	Expic33	UI IS



Objectives: I can identify expressions and write variable expressions.

Variables

P=48 A=5x5 or 52

A variable is a symbol that represents a number. Usually we use letters such as n, t, or x for variables. For example, we might say that stands for the side-length of a square. We now treat s as if it were a number we could use. The perimeter of the square is given by 4 \star s. The area of the square is given by s \star s. When working with variables, it can be helpful to use a letter that will remind you of what the variable stands for: let be the number of people in a movie theater; let to be the time it takes to travel somewhere; let to be the distance from my house to the park.

~~ Unit 1, Page 2 ~~

Expressions /		CONTRACTOR CONTRACTOR CONTRACTOR	
An expression is a mathemat contains at least one variable	ical statement that me e. A <u>numerical expre</u>	ay use <mark>numbers, variables,</mark> or both. A <u>variable ession</u> contains just numbers.	expression
			· \
The following are example expression. For each varia	s of expressions. Ic	dentify each as a numerical expression or var me the variable.	iable
	rical (N)	√ Yariable (x)	
3+7 <u>Num</u>	ucal (N)	20+5 (V) Variable (4)) (
2 + 6(4 - 2) Num	rerical (N)	2+5 (V) Variable (4) 2+3(8-2) (V) Variable (2))
(N) These expressions Translating words in	only contain number to expressions	(V) These letters represent unumbers - they can "	
Certain words can be translated word(s). Use +, -, *, or ÷	ited into math operation	ion symbols. Write the correct symbol beside each	
less than (—)	times <u>(</u> X)	more than(+)	
increased by (+)	product (\times)	of (*)	
difference (—)	quotient (+)	sum (+)	
decreased by (_)	twice 2 *	half (÷2)	
total (+)	double $(2*)$	quadruple (+*)	
Quantity means use paren	theses around the n	next expression.	

For example, 5 times the quantity of 18 minus h

2 (18-11)

~~ U	nit 1, Page 3 ~~
Write a variable expression for each word phrace. The sum of 6 and x	* Order of subtraction MATTERS ! Ex.: 5-3 \neq 3-5 -16 ~ or ~ -m-16
Write an expression for each quantity.	
8. the value in cents of 5 quarters $5(25)$ $1 \text{ quarter} = (25)$	the value in cents of q quarters25q
9. the number of days in 3 weeks $3(7)$ 1 week = $7dcys$ 240 0. the number of hours in 240 minutes 50 1 hour = 60 min 3 11. the number of meters in 400 cm 3 1 meter = 100 cm	the number of days in w weeks