MATH COURSE I

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Expressions

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VOCABULARY

- <u>variable</u>: a symbol used to represent a quantity about that can change
- <u>constant</u>: a value that does not change
- <u>algebraic expression</u>: an expression that contains at least one variable
- <u>numerical expression</u>: an expression that contains only numbers and operations
- <u>evaluate</u>: to find the value of a numerical or algebraic equation

Words in Math

\+ : addition, added to, plus, the sum of, more than, increased by

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\- : subtraction, minus, less than, take away, the difference of, subtracted from, decreased by

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x : multiplication, groups of, product, multiplied by, times

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÷ : division, divide by, quotient, the ratio of

Example

Evaluate an algebraic expression.

Problem: 5 + y

y	5 + y
8	5 + **8 = 13**
9	5 +
10	5 +

Example Using a Table

A rectangle is 4 units wide. What is the area of the rectangle if it is 3, 4, or 5 units long.

Area = length x width

l	w	l x w
3	4	12
4	4	
5	4	

Write an Expression

Write an expression for the **area** of a figure.

Example: A triangle has a base of 8 inches. Create a table that shows the area of the triangle for different heights. Write the expression.

Area = ½bh

b	h	Expression /Area
8		½·**8**·
8		½·**8**·
8		½·**8**·

Practice Evaluate Expressions

Page 115 questions 21, 22, 23.

Writing Expressions

Page 121 questions 7-15.

Practice Writing Expressions

Pages 121 questions 16-22.