

BE-1A

WEDNESDAY 8-18-10

Convert to a decimal, then a percent:

① $\frac{5}{8}$

② $\frac{9}{18}$

③ What is a variable? What would be a good variable to use for the following:

① distance

② rate

③ time

④ slope

⑤ oxygen

• Homework review: $3^2, 5^3, 2^4, 2^3, 3^3, 1^3, 3^1, 2^2, 4^2, 0^4$

Going from words TO Algebraic Expressions

Some common meanings:



<u>WORD</u>	<u>MATH OPERATION +, -, •, or ÷</u>
MORE	+
Sum	+
difference	-
less	-
less than	- from WHAT YOU START WITH
product	•
quotient	÷
of	• (EX) $\frac{1}{3}$ of $X = \frac{1}{3}X$

(EX) 8 more than N

$$8 + N$$

$\frac{1}{3}$ of a

$$\frac{1}{3}a$$

the sum of 5 and x

$$5 + x$$

the product of a and b

$$ab$$

y to the 4th power

$$y^4$$

7 less x

$$7 - x$$

7 less than x

$$x - 7$$

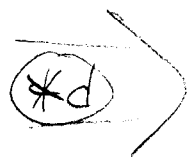
x to the y power

$$x^y$$

the product of 4 and
 x to the third power

$$4x^3$$

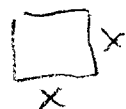
There are 2 common names when dealing with exponents.



Squared

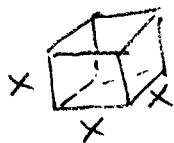
means raised to the second power.

Historical reasons, the Area of a square of side x is $x \cdot x = x^2$ square units



cubed

means raised to the third power. The Volume of a cube of side x is $x \cdot x \cdot x = x^3$ cubic units



Homework: Worksheet 1-1 Page 1 Variables and Expressions
in the "Study Guide and Intervention"
Workbook

Normally, or most often, all your worksheets will end up on the front and you will do all your work on attached loose leaf, but this one you may write on work-sheet.