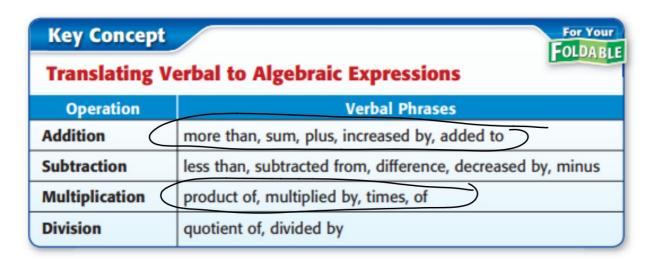
Algebra 1.1

Write verbal expressions for algebraic expressions Write algebraic expressions for verbal expressions

algebraic expression variable term factor product power exponent base

ICE WS



P.6

An expression like x^n is called a **power** and is read "x to the nth power." The variable x is called the **base**, and n is called the **exponent**. The exponent indicates the number of times the base is used as a factor.

Symbols	Words	Meaning
31	3 to the first power	3
3 ²	3 to the second power or 3 squared	3 · 3
3 ³	3 to the third power or 3 cubed	3 · 3 · 3
3 ⁴	3 to the fourth power	3 · 3 · 3 · 3
2 <i>b</i> ⁶	2 times b to the sixth power	2 · b · b · b · b · b · b
x ⁿ	x to the nth power	x · x · x · · x n factors

By definition, for any nonzero number x, $x^0 = 1$.

Study Tip

Reading Math When no exponent is shown, it is understood to be 1. For example, $a = a^1$.

