



Additional Vocabulary Support

Zero and Negative Exponents

Complete the vocabulary chart by filling in the missing information.

Word or Word Phrase	Definition	Picture or Example
base	A number used as a repeated factor	$6^3 = 6 \times 6 \times 6$  The base is 6.
exponent		$6^3 = 6 \times 6 \times 6$  The exponent is 3.
zero as an exponent	For every nonzero number a , $a^0 = 1$.	
negative exponent	For every nonzero number a and integer n , $a^{-n} = \frac{1}{a^n}$.	
exponential expression		5^x
reciprocal		$\frac{1}{x^3}, x^3$ $\frac{2}{3}, \frac{3}{2}$
simplest form	An algebraic expression is in simplest form when it has no like terms, negative exponents, or parentheses.	