


Number Sense Unit Vocabulary

Vocabulary Word	Definition	Example
Base	In a power, the number used as a factor.	In 10^3 , the base is 10. That is $10^3 = 10 \times 10 \times 10$ ↑
Composite Number	A whole number greater than 1 that has more than two factors.	4, 6, 8, 9, 12, 15, 21...
Customary Units	Used to measure things in the United States.	Inches for length Pounds for weight Gallons for capacity
Degrees	The most common unit of measure for angles.	90° ↑
Exponent	In a power, the number that tells how many times the base is used as a factor.	In 5^3 , the exponent is 3. That is, $5^3 = 5 \times 5 \times 5$ ↑
Exponential Form	Numbers written with exponents.	$4 \times 4 \times 4 = 4^3$
Factors	Two or more numbers that are multiplied together to form a product.	$3 \times 5 = 15$ The 3 and 5 are factors of 15.
Factor Tree	A diagram showing the prime factorization of a number. The factors branch out from the previous factors until all of the factors are prime.	<pre> 8 / \ 4 2 / \ 2 2 2 </pre>
Greatest Common Factor (GCF)	The greatest of the common factors of two or more numbers.	GCF of 18 and 24 is 6
Integer	The whole numbers and their opposites.	...-3, -2, -1, 0, 1, 2, 3...
Least Common Denominator (LCD)	The least common multiple of the denominators of two or more fractions.	$\frac{7}{12} ; \frac{8}{18}$ $\frac{21}{36} = \frac{16}{36}$ LCD = 36
Least Common Multiple (LCM)	The least of the common multiples of two or more numbers.	The LCM of 2 and 3 is 6.
Metric System	A base-ten system of measurement using the base units.	meter for length, kilogram for mass liter for capacity
Multiple	The product of a number and any whole number.	$3 \times 5 = 15$ 15 is a multiple of 3 and 5

Order of Operations	The rules to follow when more than one operation is used in a numerical expression.	P () Parentheses E Exponents M/D x and ÷ A/S + and -
Perfect Squares	Numbers whose square roots are whole numbers.	$\sqrt{25} = 5$ and $5^2 = 25$
Powers	Numbers expressed using exponents.	The power 3^2 is read <i>three to the second power</i> or <i>three squared</i> .
Prime Factorization	Expressing a composite number as a product of prime numbers.	The prime factorization of 63 is $3 \times 3 \times 7$
Prime Number	A whole number greater than 1 that has exactly two factors, 1 and itself.	2, 3, 5, 7, 11, 13...
Protractor	An instrument used to measure angles.	
Relatively Prime	Numbers that have a greatest common factor of 1.	
Scientific Notation	A number written as a product of a number that is at least 1 but less than 10, and a power of 10.	$687,000 = 6.78 \times 10^5$
Square	The product of a number and itself.	$4^2 = 16$ b/c $4 \times 4 = 16$
Squared	A number multiplied by itself.	4×4 , or 4^2
Square Root	One of the two equal factors of a number.	$\sqrt{9} = 3$