


Unit 1: Multiplication/Division Vocabulary

Term	Definition	Representation
Multiply	Combine equal groups	2×3 $2 \cdot 3$  $3 + 3$ 2 groups of 3
Factor	Any numbers multiplied to form a product	$(15) = 3 \times 5$ $(24) = (3) \times (4) = 24$
Multiple	A number that can be divided exactly by another number	Ex. multiples of 5 → end in 0 and 5 250 66665
Product	Answer to a multiplication problem	$(36) = 4 \times 9$ $4 \times 6 = (24)$
Even Number	A number divisible by 2; end in 0, 2, 4, 6, 8	2544 33370 62
Odd Number	A number that cannot be divided exactly by 2; end in 1, 3, 5, 7, 9	6663 381 60005
Prime Number	A number that has two factors, 1 and itself (has to be greater than 1)	2 (1 x 2) 17 (1 x 17)
Composite Number	A number with more than 2 factors	12 (1, 2, 3, 4, 6, 12) 9 (1, 3, 9)
Square Number	The an answer you get when you multiply a number by itself	$5 \times 5 = 25$ $10 \times 10 = 100$
Equation	Says that two things are equal	$10 \times 7 = 70$
Algorithm	A step-by-step solution	Add Sub Mult Div. $\begin{array}{r} 36 \\ +10 \\ \hline 46 \end{array}$ $\begin{array}{r} 100 \\ -73 \\ \hline 27 \end{array}$ $\begin{array}{r} 25 \\ \times 4 \\ \hline 100 \end{array}$ $\begin{array}{r} 42 \\ 3 \overline{)123} \\ \underline{12} \\ 3 \\ \underline{3} \\ 0 \end{array}$
Divide	To split or share into equal parts or groups	$24 \div 8 = 3$
Divisor	The number you divide by	$24 \div (8) = 3$ $\frac{24}{8} = 3$ $(8) \overline{)24}^3$
Dividend	The amount that you want to divide/break up	$(24) \div 8 = 3$ $\frac{(24)}{8} = 3$ $8 \overline{)24}^3$
Quotient	The answer after you divide one number by another, answer to a division problem	$24 \div 8 = (3)$ $\frac{24}{8} = (3)$ $8 \overline{)24}^3$
Remainder	The amount leftover	$4 \overline{)27}^6$ $4 \overline{)27}^6 R3$ $\begin{array}{r} 6 \\ 4 \overline{)27} \\ \underline{-24} \\ 3 \end{array}$ $\begin{array}{r} 6 R3 \\ 4 \overline{)27} \\ \underline{-24} \\ 3 \end{array}$