

Name: \_\_\_\_\_

## Multi-Digit Whole Number and Decimal Multiplication and Division

Word	Definition	Example
<b>standard algorithm</b>	The step by step method for solving a computation	$\begin{array}{r} 524 \\ \times 136 \\ \hline 3144 \\ 15720 \\ +52400 \\ \hline 71,264 \end{array}$

Word	Definition	Example
<b>distributive property</b>	Multiplying a number by a group of numbers added together is the same as doing each multiplication separately	$2 \times 34$ can also be $(2 \times 30) + (2 \times 4)$  $2 \times (7+3)$ can also be $(2 \times 7) + (2 \times 3)$

Word	Definition	Example
<b>commutative property</b>	Two numbers can be multiplied in any order	$23 \times 45 = 45 \times 23$

Word	Definition	Example
<b>associative property</b>	You can multiply numbers regardless of how they are grouped with parentheses	$(2 \times 2) \times 5 = 2 \times (2 \times 5)$