

Harold's PEMDAS Cheat Sheet

22 September 2025

Order of Operations

Mnemonic	Operation	Symbols	Order	Alt. Name
P	Parenthesis	$()$, $[]$, $\{\}$	Always do first	Grouping
E	Exponents	x^n , x^n	Do next	Powers
M D	Multiplication Division	$\times$, $\cdot$ $\div$, $/$	From Left to Right	Product Quotient
A S	Addition Subtraction	$+$ $-$	From Left to Right	Sum Difference

Please **E**xcuse **M**y **D**ear **A**unt **S**ally

PEMDAS

1	2	3	4		
P	E	M	D	A	S
Parentheses	Exponents	Multiply	Divide	Add	Subtract
$()$	e^2	$(\times)$	$(\div)$	$(+)$	$(-)$
		Left to Right (whichever comes first)		Left to Right (whichever comes first)	

G	E	M	S
Groupings	Exponents	Multiply/Divide	Subtract/Add
$()\{\}\llbracket\rrbracket$	n^2	Left to Right $\div / \times \cdot$	Left to Right $+-$

See Also

- [Harold's Prime Numbers Cheat Sheet](#)
- [Harold's Times Tables Worksheet](#)