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Solving Equations

Ex: $(8-3) + 4^2 \div 2 \times 8$

ORDER OF OPERATIONS

PEMDAS
(∧ * / + −

Directions: Complete the guided notes below as you follow along with your teacher to solve the equation above using the Order of Operations aka "PEMDAS!"

OPERATION	LOOKS LIKE	EXAMPLE (from equation)	SOLVED IN EQUATION
P = Parantheses	$(2+2)$	$(8-3)$	$5 + 4^2 \div 2 \cdot 8$
E = Exponents	x^2 ←	4^2	$5 + 16 \div 2 \cdot 8$
M = Multiply **D** = Divide (left to right)	$\dfrac{3 \cdot 1}{6 \div 3}$	$\dfrac{2 \cdot 8}{4^2 \div 2}$	$5 + 16 \div 2 \cdot 8$ $5 + 8 \cdot 8$ $5 + 64$
A = Addition **S** = Subtraction (left to right)	$\dfrac{2+2}{2-2}$	$(8-3)$	Answer: 69