Do Now

1) Copy down homework & upcoming test date from Homework board
2) Locate your name & calculator number on the list. WRITE IT DOWN!
3) Take your assigned calculator
4) Take Glue and a Scissor from Brown Table

Last	First	Student ID	Calculator #
Buchner	Robert M	#910000496	15
Busch	Aidan M	#910000794	14
Costello	Allison S	#910000498	13
DeVita	Michael P	#910000815	12
Fernandez	Madison G	#910000862	11
Johnson	Justin A	#910000865	10
Kjaer	Ava R	#910000934	9
Latora	JoAnn E	#910000696	8
Lien	Joseph M	#910000820	7
Lutz	Jason T	#910000866	6
MacDowell	Brandon R	#910000848	5
McSherry	Valentina G	#910000979	4
Padrazo	Christopher C	#910000921	3
Sellner	Brynn M	#910000931	2
Washburn	James R	#910001471	1

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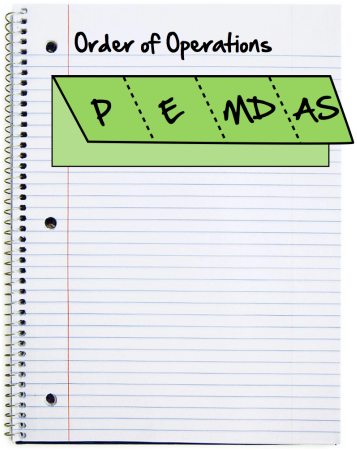
On A Clean Page of Notebook Write "Order of Operations" at the top of your page.

Please cut along the DOTTED lines.

Glue the paper into your notebook like the model that is shown to you.



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Order of Operations

P	e	MD	as
P = "Parentheses" GROUPING	E = "Exponents"	Multiplication & Division	Addition & Subtraction
( ) [ ] { }	exponent x^2	× · * ( ) ÷ /	+ −
		left to right	left to right

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Order of Operations

Example 1:

$128 \div 4^2 \cdot 2 - 7$

$128 \div 16 \cdot 2 - 7$

$8 \cdot 2 - 7$

$16 - 7$

9

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Order of Operations

Example 2:

$3[13 + (5 - 2^3)] \div 6$

$3[13 + (5 - 8)] \div 6$

$3[13 - 3] \div 6$

$3(10) \div 6$

$30 \div 6$

5

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Order of Operations

Example 3:

$\frac{3}{4}[13 - (-25 \div -5)]^2$

$\frac{3}{4}[13 - (5)]^2$

$\frac{3}{4} \cdot [8]^2$

$\boxed{48}$

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Order of Operations

Absolute Value: the distance a number is away from zero on a number line

Positive Value

1) $|-13| = 13$

2) $|21| = 21$

3) $-|-9| = -9$

4) $|10| + |-1|$

$10 + 1 = 11$

5) $|-8| - |-10|$

$8 - 10 = -2$

6) $|-12 - 6|$

$|-18| = 18$

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Order of Operations

Evaluate using the order of operations:

7) $135 \div [5(7-4)^2]$

$135 \div [5(3)^2]$

$135 \div [5(9)] = 3$

$135 \div 45$

8) $\dfrac{2 \cdot 4^2 - 8 \div 2}{(5 + 2) \cdot 2}$

$\dfrac{2 \cdot 16 - 4}{14}$

$\dfrac{32 - 4}{14}$

2

answer

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