

Order of Operations with Integers

sept 26, 2023

$$(B) \ E^2 \ \overrightarrow{DM} \ \overrightarrow{AS}$$

1 2 3 4

Steps:

1.) **(B)** rackets: Do the operation inside

EX: $(7+3)$

↑
operation
"add"

(-4)

↑
No operation
"Nothing to do"

2.) **E**² xponents: (Powers). Tells us how many we are multiplying

EX: 5^2 ← How many

$= 5 \times 5$

$3^4 = 3 \times 3 \times 3 \times 3$

3.) **DM**: Division and Multiplication

↳ Move left to right

EX: $(3 \times 4) \div 6$

$= 12 \div 6$

$= 2$

The multiplication
was first →

4.) **AS**: Addition and Subtraction goes left to right.

Note: Inside brackets, always follow BEDMAS

* Always show all work and whatever you don't use, write it down in the order it is written.

Example: $(7 + (-3)) \times 8$
 $= (+4) \times 8$
 $= +32$

$$4 + (5 \div 5)$$
$$= 4 + 1$$
$$= 5$$