

Order of Operations

February-01-19 9:58 AM

We follow BEDMAS to simplify an equation:

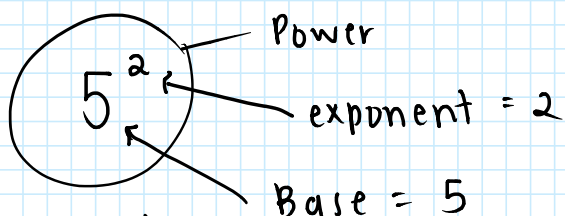
B - Brackets

E - Exponents

D/M - Divide / Multiply (left to right)

A/S - Add / Subtract (left to right)

Exponents



* Exponents are repeated multiplication

Ex. $5^2 = 5 \times 5 = 25$ (labeled "squared")
 $5^3 = 5 \times 5 \times 5 = 125$ (labeled "cubed")
 $5^4 = 5 \times 5 \times 5 \times 5 = 625$

Ex. Evaluate. Show all your work!

① $(-15) \div (7-10)$
 $(-15) \div (-3)$
 5

~~B~~
~~E~~
DM
AS

② $2 - 18 \div (-6)$
 $2 + (+3)$ * Add the opposite!
 5

5

③ $3^2 \times (-4) + (8-9)$

$3^2 \times (-4) + (-1)$

3x3

$9 \times (-4) + (-1)$

$(-36) + (-1)$

-37

~~B~~
~~E~~
~~DM~~
~~AS~~

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(p.500 answers)