

The Value (Order of Operations)



**Please excuse my dear Aunt Sally for leaving the room
Oh yea, she'll get to your subtraction soon**

Will Aunt Sally subtract first? _____

But first parenthesis are solved in the groups...that, she knew

What is the first step in solving a numerical expression? _____

**She showed us how to tackle the exponents by multiplying the base
And put a factor right in your face
Uh, $2 \times 2 \times 2$ that's cubed**

What is the next step in the order of operations? _____

Show how you solve 2^3 . _____

**Work it from the left to the right
If you're confused or if you can't decide
Whether addition or division is on the rise
Here's a numerical expression or two
Hey Sally, tell me the value**

In which direction should you work out a problem? _____

A numerical expression is _____

Should you add or divide first? _____

**Please excuse my dear Aunt Sally for leaving the room
She gets a little upset, and assumes
That people always divide before they multiply, oh they do**

What are the next steps after exponents in order of operations? _____ and then _____.

How should you work it out? _____

What does Aunt Sally assume? _____

If you have both multiplication and division in a problem what should you do?

But the factor times a factor gets a product during multiplacash

Label the two factors and the product in this problem.

$$5 \quad \times \quad 8 \quad = \quad 40$$

Then the quotient is the next in the race

If dividend and the divisor are true

Label the dividend, divisor and quotient in this problem.

$$10 \quad \div \quad 2 \quad = \quad 5$$

Add what's left to add and we'll be finding the sum, like we do

Subtract what's left to subtract and find the difference is new

What are the steps after multiplication and division? _____ and then _____.

If you have both addition and subtraction in a problem what should you do?

Below label the steps of the order of operations.

P _____

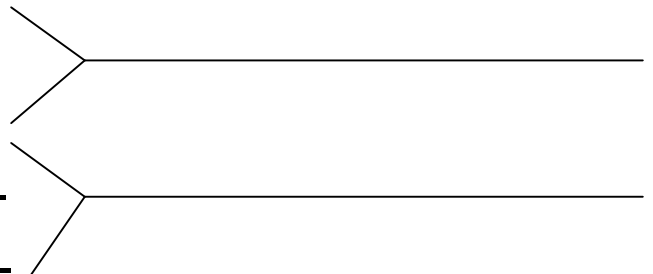
E _____

M _____

D _____

A _____

S _____



Simplify the following numerical expressions using the correct order of operations.

$$12 - (5 - 2 + 3)^2 \div 3$$

$$3 \times (4-2) + 8 - 6 \div 2$$