Go-Math Lesson 1-12



Go Math Lesson 1.12

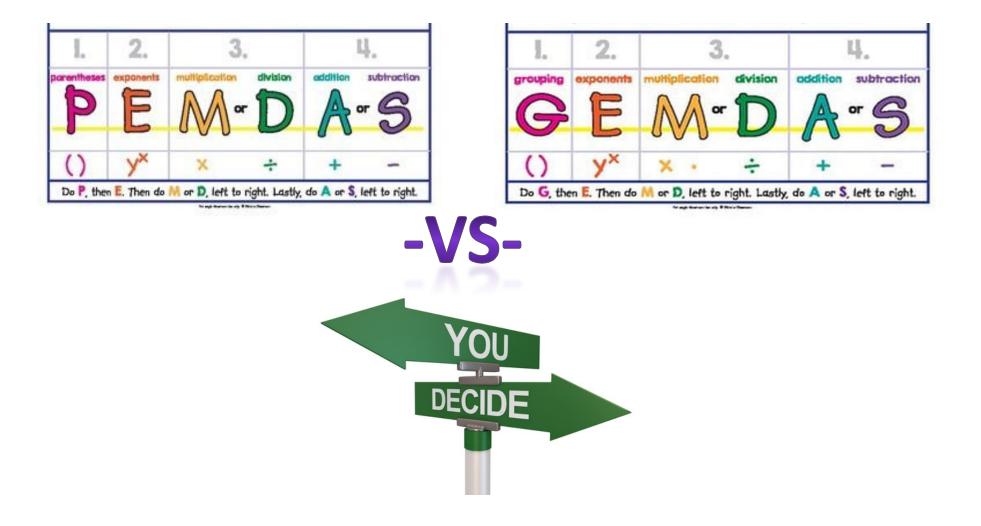
Algebra – Grouping Symbols

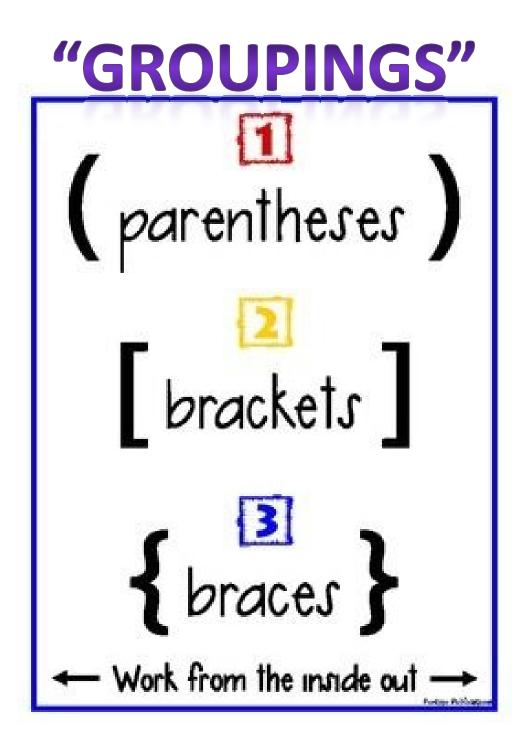
Learning Target:

I can evaluate (solve) numerical expressions using parenthesis, brackets and braces.

order of operations

The order of operations is a rule that tells you the sequence to follow when you are performing operations in a mathematical expression.





{2 x [6 x (4 + 3)] } + 7

{2 x [6 x (4 + 3)] } + 7

Step 1: Add 4 + 3
Step 2: Multiply 6 x 7
Step 3: Multiply 2 x 42
Step 4: Add 84 + 7

Daily Math Do-Now

Guiding question:

How many **key math words** can you recall for each operation?

In math, there are many ways to say the same thing.

Practice:

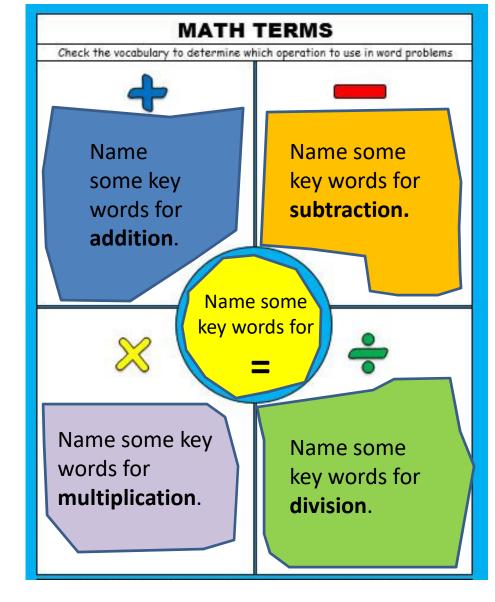
6 (34 + 8)

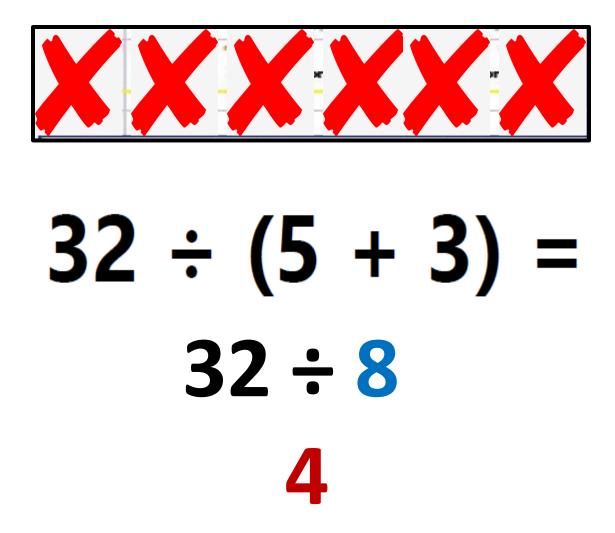
"Six times the sum of 34 and 8" "Six multiplied by the sum of 34 and 8" "The product of 6 and the sum of 34 and 8"

21 ÷ (9 - 2)

"The quotient of 21 and the difference of 9 and 2"

"21 divided by 9 take away 2"

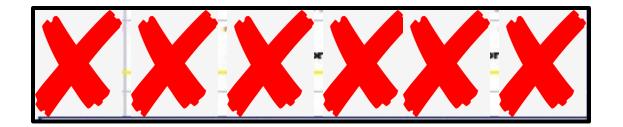




Step 1: Write "PEMDAS" above the equation.

Step 2: Working left-toright, go through each letter performing the function in that order.

Step 3: Rewrite the existing variable underneath until it is completely solved.

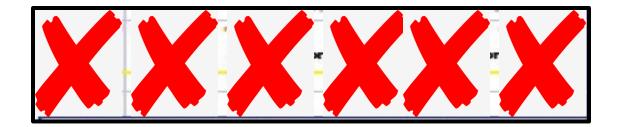


[43 - (7 + 24)] x 2 = [43 - 31] x 2 12 x 2 24

Step 1: Write "PEMDAS" above the equation.

Step 2: Working left-toright, go through each letter performing the function in that order.

Step 3: Rewrite the existing variable underneath until it is completely solved.



${7 + [(22 - 4) \div 3]} \times 5 =$ {7 +[18 ÷ 3]} x 5 {**7 + 6**} x 5 **13 x 5** 65

Step 1: Write "PEMDAS" above the equation.

Step 2: Working left-toright, go through each letter performing the function in that order.

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DISCUSS:

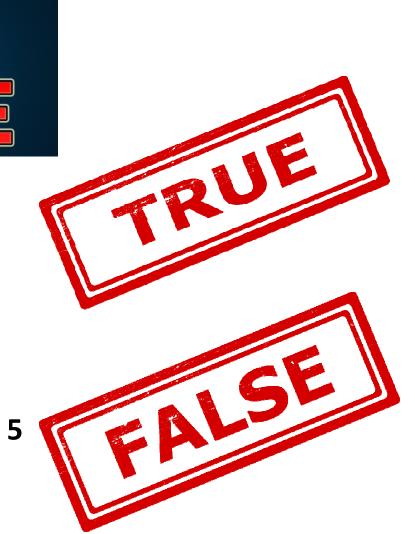
Jeremiah followed these steps to evaluate the expression **150 – (84 + 2) ÷ 2**

84 + 2 = 86 150 - 86 = 64 64 ÷ 2 = 32

Joshua looks at Jeremiah's work and says he made a mistake. He says he should have divided before he subtracted.

Who is correct?

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71 – (11 + 3) Value = 57

40 + (18 – 8) ÷ 5 Value = 52

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Your tasks:

- 1. Complete Google Classroom Lesson 1.12 Check-in
- 2. Complete Think Central assignments!
- 3. Watch videos posted on the website
- 4. Complete <u>IXL Skills</u> for the week

You have a lot to do - Don't waste time!

