ORDER

To help me solve problems using Order of Operations (e.g., problems that have more than one operation sign: 3 + 5 x 6 ÷).

Observe the problem.

- Look for multiple operation signs, symbols, & numbers.
  - For example:

$$25 \ + \ 45 \ \times \ 3 \ \div \ 5 \ = \ \underline{\hspace{2cm}}$$

addition   multiplication   division

Read the signs. (Identify operations)

- Identify the operations represented by the signs (+, -, x, ÷).
- Say aloud each operation.

Decide which operation to do first.

- Remember the Rule of Order
  - **M**any **D**ogs **A**re **S**melly! (**M**ultiplication, **D**ivision comes before **A**ddition, **S**ubtraction)
  - **P**ew **E**ee! **M**any **D**ogs **A**re **S**melly! (**P**arentheses comes before **E**xponents; then **M**ultiplication, **D**ivision comes before **A**ddition, **S**ubtraction)

Execute the rule of order

- **M**any **D**ogs **A**re **S**melly! (for equations that *do not* have parentheses and exponents)
- **P**ew **E**ee! **M**any **D**ogs **A**re **S**melly! (for equations that *do* have parentheses and exponents)

Relax, you're done!

- Tell yourself you did a good job☺

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