Steps to Solve Problems

1. Parentheses ( )
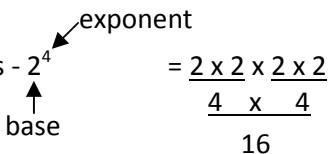
2. Exponents - 2^4 exponent = $\underline{2 \times 2} \times \underline{2 \times 2}$
    base $\qquad \qquad \qquad \qquad$ 4 x 4

    16

3. Multiply or Divide in order from
    Left to Right

4. Add or Subtract in order from
    Left to Right

Remember: Please Excuse My Dear Aunt Sally

Example 1: 50 + (20 + 10) ÷ 5	Explanation of Step
50 + 30 ÷5	Parentheses
50 + 6	Division
56	Addition

Example 2: 18 – 2 x 3 + 2	Explanation of Step
18 – 6 + 2	Multiplication
12 + 2	Add/**Subtract** (left to right)
14	**Add**/Subtract (left to right)

Example 3: 2^3 x (2 + 1) + 25 ÷ 5	Explanation of Step
2^3 x 3 + 25 ÷5	Parentheses
8 x 3 + 25 ÷ 5	Exponents (2^3 = 2 x 2 x 2 = 8)
24 + 25 ÷ 5	**Multiply**/Divide (left to right)
24 + 5	Multiply/**Divide** (left to right)
29	Addition

Example 4: 9 + 6 ÷ 3 – 4 x 2	Explanation of Step
9 + 2 – 4 x 2	Multiply/**Divide** (left to right)
9 + 2 – 8	**Multiply**/Divide (left to right)
11 – 8	**Add**/Subtract (left to right)
3	Add/**Subtract** (left to right)