## Reteaching

## 1.4 Order of Operations

A mathematical expression contains only numbers and expressions. You must follow a set of rules. called the **order of operations** to correctly evaluate a numerical expression. The order is;

- 1. Parenthesis
- 2. Exponents
- 3. Multiplication and Division
- 4. Addition and Subtraction

## PE(MD)(AS) – Please Excuse My Dear Aunt Sally

$$8 + (9 + 1) \div 2 * 3^{2}$$

$$8 + (9 + 1) \div 2 * 3^2$$

$$8 + 10 \div 2 * 3^2$$

$$8 + 10 \div 2 * 9$$
  
 $8 + 5 * 9$ 

Let's try a few.

$$6 + (15 + 5^2) \div 2$$

$$6 + (15 + 5^2) \div 2$$

$$100 - (8 + 6) * 2^4$$

$$100 - (8 + 6) * 2^4$$

$$9*8-(5+5*2^3)$$

$$9*8 - (5+5*2^3)$$
  $3^3 \div 9 + (4-2)*2$   $3*(7+5)-5^2$   $(6-5+4)\div 5*6$ 

$$3*(7+5)-5^2$$

$$(6-5+4) \div 5*6$$

$$9*8-(5+5*_{})$$
  $3^3\div 9+_{}$  \* 2

9 \* 8 - (5 + )