DO NOW

Nine less than the product of 6 and a number x

4 less than x

ORDER OF OPERATIONS

- PEMDAS

P ARENTHESES

E XPONENTS

{ **M** ULTIPLY }

{ **D** IVIDE }

{ **A** DD }

{ **S** UBTRACT }

PEMDAS

- Parenthesis are always completed first
- Followed by Exponents
- Multiplication and Division are completed in order from left to right
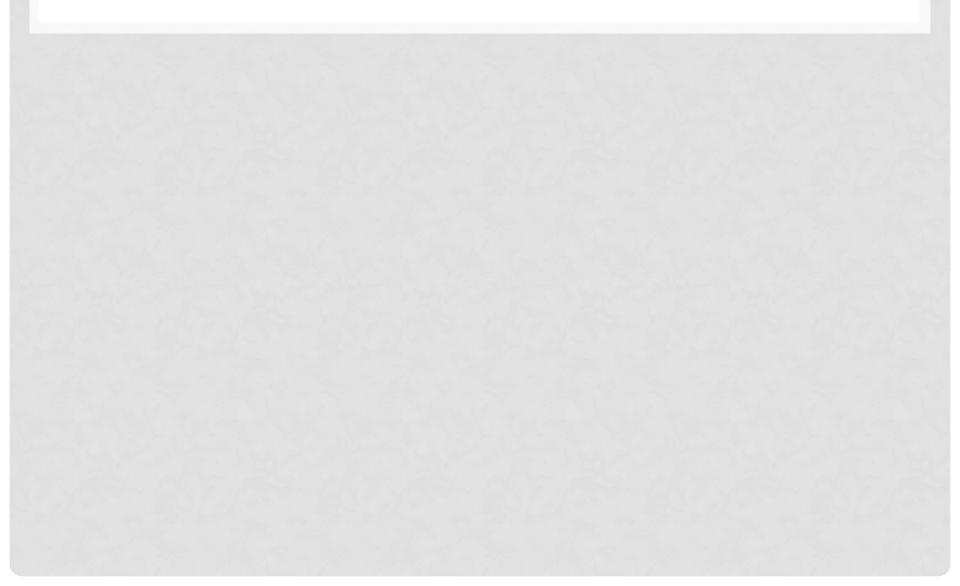- Addition and Subtraction are completed in order from left to right

EASY WAY TO REMEMBER PEMDAS

- Please
- Excuse
- My
- Dear
- Aunt
- Sally

$2 + 3 \cdot 4$

$4 + 2 \, (5-3)$

$-3(-4)^2(2) + (4)(-4)$

TRY A FEW PROBLEMS

$2 + 5 \cdot 3$

$6 \cdot (5 + 3)$

$30 \div 5 \cdot 3$

$3 + 6 \cdot 2^2$

$$5 \cdot (2^2)$$

$$(5 \cdot 2)^2$$

$$3 + 6 \cdot 2^2$$

$$(3 + 6) \cdot 2$$

$$12 \div 6 \cdot 3 \div 2$$

$$7 + (6 \cdot 5 + 3)$$