

# "Solving for x" 01: Order of Operations Notes



Name \_\_\_\_\_

Math Operations: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

## PEMDAS:

P: \_\_\_\_\_

E: \_\_\_\_\_

MD: \_\_\_\_\_

AS: \_\_\_\_\_

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$$4+5\times 3$$

Wrong way:  $4+5\times 3 =$  \_\_\_\_\_

PEMDAS way:  $4+5\times 3 =$  \_\_\_\_\_

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## Examples:

$$10+(2^3-1)$$

$$28\div 7+3\times 7$$

$$48\div 6\times 2-(4+3)$$

$$10+ \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$48\div 6\times 2 - \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 2 - \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} - 7 = \underline{\hspace{2cm}}$$

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Three places there are invisible parentheses

1. \_\_\_\_\_ bar:  $\frac{4+10}{3-1} =$

2. \_\_\_\_\_ sign:  $\sqrt{21-5} =$

3. \_\_\_\_\_ value:  $|-7+2| =$

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More Examples

$$11 - [56 \div (4^2 - 8)]$$

$$11 - [56 \div \underline{\quad}]$$

$$11 - \underline{\quad}$$

$$\underline{\quad}$$

$$[(3^2 + 8 \times 2) \div 5] + 4 \times 3$$

$$[\underline{\quad} \div 5] + 4 \times 3$$

$$\underline{\quad} + 4 \times 3$$

$$\underline{\quad} + \underline{\quad}$$

$$\underline{\quad}$$