

The **ORDER** of Operations

P ()
parentheses
& grouping
symbols

E
exponents²
& powers³

MD
multiply^x
& divide[÷]
left to right

AS
add & +
subtract -
left to right

$$(2-5)^2 - \frac{4}{2} + 3 \cdot 5$$

$$\downarrow$$
$$(-3)^2 - \frac{4}{2} + 3 \cdot 5$$

$$\downarrow$$
$$9 - \frac{4}{2} + 3 \cdot 5$$

$$\downarrow$$
$$9 - 2 + 3 \cdot 5$$

$$\downarrow$$
$$9 - 2 + 15$$

$$\downarrow$$
$$7 + 15$$

$$\downarrow$$
$$22$$

