

Order of Operations

$(2 + 3) \times (21 \div 3)$
 5×7
 35
 35

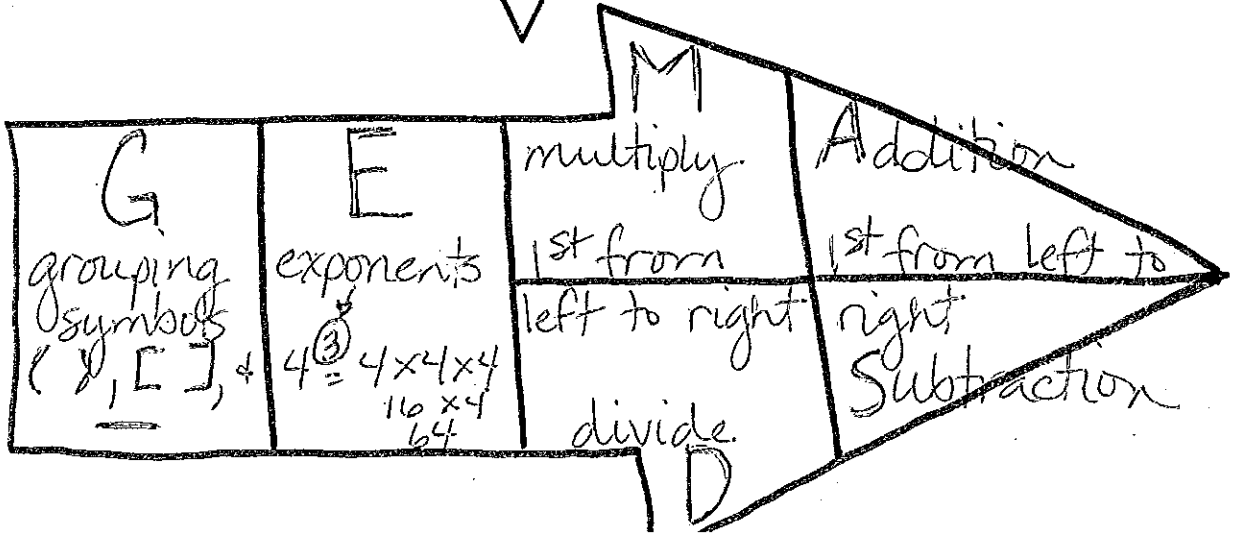
$45 \div 5 - (2 \times 3)$
 $9 - 6$
 3
 3

$36 \div 3 - (2 \times 3)$
 $12 - 6$
 6
 6

$39 - (7 + 4) \times 2$
 $39 - 11 \times 2$
 $39 - 22$
 17
 17

$[6 - (15 \div 3)] \times 13$
 $[6 - 5] \times 13$
 1×13
 13
 13

$3 \times 4 \div (4 + 2)$
 $12 \div 6$
 2
 2



ORDER OF OPERATIONS

$$(4+3) \cdot 5$$

$$\downarrow \quad \downarrow$$

$$\underline{7 \cdot 5}$$

$$\downarrow$$

$$(35)$$

$$(13-8)^2$$
$$\downarrow$$
$$\underline{(5)^2}$$
$$\downarrow$$
$$(25)$$

$$(4^2 \cdot 3)$$

$$\downarrow$$

$$\underline{(16) \cdot 3}$$

$$\downarrow$$

$$(48)$$

$$\underline{17 - 2^3}$$

$$\downarrow \quad \downarrow$$

$$\underline{17 - 8}$$

$$\downarrow$$

$$(9)$$

$$\underline{32 \div (4^2)}$$

$$\downarrow \quad \swarrow$$

$$\underline{32 \div 16}$$

$$\downarrow$$

$$(2)$$

$$\underline{9 + 5^2 - 2 \cdot 3^2}$$

$$\downarrow$$

$$9 + 25 - \underline{2 \cdot 9}$$

$$\downarrow \quad \downarrow$$
$$\underline{9 + 25 - 18}$$

$$\downarrow$$

$$\underline{34 - 18}$$

$$\downarrow$$

$$(16)$$

$$(-6)^2 - 2[(-8) \div 2]^2$$

STEP 1 \rightarrow GROUPING SYMBOLS

$$(-6)(-6) - 2[-4]^2 \quad \leftarrow \text{STEP 2}$$

EXPONENTS

$$\rightarrow 36 - 2(16)$$

STEP 3 \rightarrow MULTIPLICATION OR DIVISION

$$\rightarrow 36 - 32$$

STEP 4 \rightarrow ADDITION OR SUBTRACTION

$$\rightarrow \textcircled{4} \text{ ANSWER } \checkmark$$