

ORDER OF OPERATIONS

P-Parenttheses

E-Exponents

M-Multiply

D-Divide

FROM LEFT

TO RIGHT

A-Add

S-Subtract

FROM LEFT

TO RIGHT

$$1. 15^2 \div 5 \cdot 2$$

$$\begin{aligned} 225 \div 5 \cdot 2 \\ 45 \cdot 2 \\ = 90 \end{aligned}$$

$$2. 4(5 - 3)^2 + 7$$

$$\begin{aligned} 4(2)^2 + 7 \\ 4 \cdot 4 + 7 \\ 16 + 7 \\ = 23 \end{aligned}$$

$$3. 5(4^2 - 3^2)$$

$$\begin{aligned} 5(16 - 9) \\ 5 \cdot 7 \\ = 35 \end{aligned}$$

$$4. (4 + 3)(2 + 1) \div (3 + 5 - 6)$$

$$(7)(3) \div (8 - 6)$$

$$7 \cdot 3 \div 2$$

$$21 \div 2$$

$$\frac{21}{2} = 10.5$$

$$5. 196 \div [7(5 - 3)]$$

$$196 \div [7(2)]$$

$$196 \div 14$$

$$= 14$$