

Order of Operations

Use the order of operations to evaluate the expressions. Show your work!!!

1) $3 \cdot 8 + 7$

$$\begin{array}{l} \checkmark \\ 24 + 7 \\ \boxed{31} \end{array}$$

2) $7 + 3 \cdot 8$

$$\begin{array}{l} \checkmark \\ 7 + 24 \\ \boxed{31} \end{array}$$

3) $3 + 8 \cdot 7$

$$\begin{array}{l} \checkmark \\ 3 + 56 \\ \boxed{59} \end{array}$$

4) $6 \cdot 2 + 11 \cdot 1$

$$\begin{array}{l} \checkmark \\ 12 + 11 \cdot 1 \\ \checkmark \\ 12 + 11 \\ \boxed{23} \end{array}$$

5) $4 \cdot 9 + 3 \cdot 2$

$$\begin{array}{l} \checkmark \\ 36 + 3 \cdot 2 \\ \checkmark \\ 36 + 6 \\ \boxed{42} \end{array}$$

6) $16 \div 4 - 24 \div 12$

$$\begin{array}{l} 4 - 24 \div 12 \\ \checkmark \\ 4 - 2 \\ \boxed{2} \end{array}$$

7) $6 \cdot 5 - 18 \div 3$

$$\begin{array}{l} 30 - 18 \div 3 \\ 30 - 6 \\ \boxed{24} \end{array}$$

8) $90 \div 5 - 3^2$

$$\begin{array}{l} 90 \div 5 - 9 \\ 18 - 9 \\ \boxed{9} \end{array}$$

9) $\frac{13+11}{14-6} = \frac{24}{8} = \boxed{3}$

10) $26 - (4^2 - 8)$

$$\begin{array}{l} 26 - (16 - 8) \\ 26 - 8 \\ \boxed{18} \end{array}$$

11) $3[5 + (9 - 7)]$

$$\begin{array}{l} 3[5 + 2] \\ 3 \cdot 7 \\ \boxed{21} \end{array}$$

12) $2 + (12 - 3 \cdot 4)$

$$\begin{array}{l} 2 + (12 - 12) \\ 2 + 0 \\ \boxed{2} \end{array}$$

13) $3 \cdot (4 + 9)^2$

$$\begin{array}{l} 3 \cdot 13^2 \\ 3 \cdot 169 \\ \boxed{507} \end{array}$$

14) $90 \div [(82 - 77) \cdot 9]$

$$\begin{array}{l} 90 \div [5 \cdot 9] \\ 90 \div 45 \\ \boxed{2} \end{array}$$

15) $\frac{38-4-9}{9-4} = \frac{25}{5} = \boxed{5}$