

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

## WS 4.2 - More Order of Operations

1 2 3 4  
**PEMDAS**

$$\begin{aligned}
 \textcircled{1} & -10 \div 2 - (16 \div 4) + 14 \\
 & = -10 \div 2 - 4 + 14 \\
 & = -5 - 4 + 14 \\
 & = -9 + 14 \\
 & = \textcircled{5}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{2} & 2 - (2 - 2) - (8 + 13) - 3 \\
 & = 2 - 0 - (8 + 13) - 3 \\
 & = 2 - 0 - 21 - 3 \\
 & = 2 - 21 - 3 \\
 & = -19 - 3 = \textcircled{-22}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{3} & 15 + 9 - (-8) - 7 \\
 & = 15 + 9 + 8 - 7 \\
 & = 24 + 8 - 7 \\
 & = 32 - 7 \\
 & = \textcircled{25}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{4} & (-3)(-7) + 24 - (16 \div 2 + 6) \\
 & = (-3)(-7) + 24 - (8 + 6) \\
 & = (-3)(-7) + 24 - 14 \\
 & = 21 + 24 - 14 \\
 & = 45 - 14 = \textcircled{31}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{5} & (-8 \div 2 - 2^2) + 12 \\
 & = (-8 \div 2 - 4) + 12 \\
 & = (-4 - 4) + 12 \\
 & = -8 + 12 \\
 & = \textcircled{4}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{6} & (-4 \cdot 3 + 18) + (9 - 10 + 7) \\
 & = (-12 + 18) + (9 - 10 + 7) \\
 & = 6 + (9 - 10 + 7) \\
 & = 6 + (-1 + 7) \\
 & = 6 + 6 \\
 & = \textcircled{12}
 \end{aligned}$$

$$\textcircled{7} \quad \underline{(-9)} \cdot \underline{(-4)} + 20 - 5$$

$$= \underline{36} + \underline{20} - 5$$

$$= 56 - 5$$

$$= \textcircled{51}$$

$$\textcircled{8} \quad \underline{-16} \div \underline{(-2)} \cdot 3 \cdot 2 \div \underline{(-4)}$$

$$= \underline{8} \cdot 3 \cdot 2 \div \underline{(-4)}$$

$$= \underline{24} \cdot 2 \div \underline{(-4)}$$

$$= 48 \div \underline{(-4)}$$

$$= \textcircled{-12}$$

$$\textcircled{9} \quad 10 + [-12 \div \underline{(-5-1)}]$$

$$= 10 + [-12 \div \underline{(-6)}]$$

$$= 10 + 2$$

$$= \textcircled{12}$$

$$\textcircled{10} \quad (4 \cdot \underline{3^2}) \div \underline{(-3)} + 20$$

$$= \underline{(4 \cdot 9)} \div \underline{(-3)} + 20$$

$$= \underline{36} \div \underline{(-3)} + 20$$

$$= -12 + 20$$

$$= \textcircled{8}$$