

ORDER OF OPERATIONS WORKSHEET

Evaluate each of the following expressions. You MUST show proper format!!!!!!

$$\begin{aligned} 1. \quad & 13 - (8 + 4) \\ & = 13 - 12 \\ & = 1 \end{aligned}$$

$$\begin{aligned} 2. \quad & \underline{5 \times 6} - 2 \\ & = 30 - 2 \\ & = 28 \end{aligned}$$

$$\begin{aligned} 3. \quad & \underline{5 \times 6} \div 2 \\ & = 30 \div 2 \\ & = 15 \end{aligned}$$

$$\begin{aligned} 4. \quad & 2 - \underline{5 \times 6} \\ & = 2 - 30 \\ & = -28 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5 + (6 - 2) \\ & = 5 + 4 \\ & = 9 \end{aligned}$$

$$\begin{aligned} 6. \quad & \underline{13 - 8} + 4 \\ & = 5 + 4 \\ & = 9 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5 - 3(8 \div 4) \\ & = 5 - 3(2) \\ & = 5 - 6 \\ & = -1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3 \times (8 - \underline{2 \times 4}) \\ & = 3 \times (8 - 8) \\ & = 3 \times 0 \\ & = 0 \end{aligned}$$

$$\begin{aligned} 9. \quad & 3 \times [(8 - 2) \times 4] \\ & = 3 \times [6 \times 4] \\ & = 3 \times 24 \\ & = 72 \end{aligned}$$

$$\begin{aligned} 10. \quad & 5 + 7 - \underline{6 \div 2} \times 3 \\ & = 5 + 7 - \underline{3 \times 3} \\ & = 5 + 7 - 9 \\ & = 12 - 9 \\ & = 3 \end{aligned}$$

$$\begin{aligned} 11. \quad & (5 + 7 - 6) \div (2 \times 3) \\ & = (12 - 6) \div (6) \\ & = (6) \div 6 \\ & = 1 \end{aligned}$$

$$\begin{aligned} 12. \quad & (5 + 7 - 6) \div 2 \times 3 \\ & = (12 - 6) \div 2 \times 3 \\ & = \underline{6 \div 2} \times 3 \\ & = 3 \times 3 \\ & = 9 \end{aligned}$$

$$\begin{aligned}
 13. \quad & \underline{15^2 - 5^2 + 1} \\
 & = \underline{225 - 25 + 1} \\
 & = 200 + 1 \\
 & = 201
 \end{aligned}$$

$$\begin{aligned}
 14. \quad & 3^2 - \underline{(7-5)^3} \\
 & = \underline{3^2 - (2)^3} \\
 & = 9 - 8 \\
 & = 1
 \end{aligned}$$

$$\begin{aligned}
 15. \quad & \underline{6^2} \div 3(2) - 1 \\
 & = \underline{36} \div 3(2) - 1 \\
 & = 12(2) - 1 \\
 & = 24 - 1 \\
 & = 23
 \end{aligned}$$

$$\begin{aligned}
 16. \quad & 3^2 + \sqrt{\underline{20+5}} \\
 & = \underline{3^2} + \sqrt{\underline{25}} \\
 & = 9 + 5 \\
 & = 14
 \end{aligned}$$

$$\begin{aligned}
 17. \quad & 14 - 2 + \sqrt{\underline{20+5}} \\
 & = 14 - 2 + \sqrt{\underline{25}} \\
 & = \underline{14 - 2} + 5 \\
 & = 12 + 5 \\
 & = 17
 \end{aligned}$$

$$\begin{aligned}
 18. \quad & \sqrt{36} - 4^2 + \sqrt{\underline{2+2}} \\
 & = \sqrt{\underline{36}} - \underline{4^2} + \sqrt{\underline{4}} \\
 & = \underline{6} - 16 + 2 \\
 & = -10 + 2 \\
 & = -8
 \end{aligned}$$

$$\begin{aligned}
 19. \quad & 5^2 - \underline{(2+5)} \\
 & = \underline{5^2} + 7 \\
 & = 25 + 7 \\
 & = 32
 \end{aligned}$$

$$\begin{aligned}
 20. \quad & \sqrt{\underline{9+7}} + 7^2 \\
 & = \sqrt{\underline{16}} + \underline{7^2} \\
 & = 4 + 49 \\
 & = 53
 \end{aligned}$$

$$\begin{aligned}
 21. \quad & \sqrt{\underline{49}} - 10 \\
 & = 7 - 10 \\
 & = -3
 \end{aligned}$$

$$\begin{aligned}
 22. \quad & 20 + (-10) - (-5) \\
 & = \underline{20 - 10} + 5 \\
 & = 10 + 5 \\
 & = 15
 \end{aligned}$$

$$\begin{aligned}
 23. \quad & \sqrt{\underline{64}} - (-2) + \underline{3^2} \\
 & = \underline{8} + 2 + 9 \\
 & = 10 + 9 \\
 & = 19
 \end{aligned}$$

$$\begin{aligned}
 24. \quad & \underline{2^2} + 3(2) + 12 \\
 & = 4 + 3(\underline{2}) + 12 \\
 & = \underline{4 + 6} + 12 \\
 & = 10 + 12 \\
 & = 22
 \end{aligned}$$

$$\begin{aligned}
 25. \quad & \sqrt{\underline{9 \times 9}} + 200 \\
 & = \sqrt{\underline{81}} + 200 \\
 & = 9 + 200 \\
 & = 209
 \end{aligned}$$

$$\begin{aligned}
 26. \quad & \underline{4^2} + 8(4) - 36 \\
 & = 16 + 8(\underline{4}) - 36 \\
 & = \underline{16 + 32} - 36 \\
 & = 48 - 36 \\
 & = 12
 \end{aligned}$$

$$\begin{aligned}
 27. \quad & \underline{3^2} - 3 + 10 \\
 & = \underline{9} - 3 + 10 \\
 & = 6 + 10 \\
 & = 16
 \end{aligned}$$