

ORDER of OPERATIONS Worksheet Answers

$$\begin{aligned} 1. \quad & 7^2 - (9 + 2^2) + 1 - 5 \\ & = 7^2 - (9 + 4) + 1 - 5 \\ & = 7^2 - 13 + 1 - 5 \\ & = 49 - 13 + 1 - 5 \\ & = 32 \end{aligned}$$

$$\begin{aligned} 2. \quad & (4 + 5) - 9 \\ & = 9 - 9 \\ & = 0 \end{aligned}$$

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

$$\begin{aligned} 4. \quad & (9^2 \times 4 + 1) \\ & = (81 \times 4 + 1) \\ & = (324 + 1) \\ & = 325 \end{aligned}$$

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$$\begin{aligned} 5. \quad & 1 + (2 + 8 + 7) \\ & = 1 + (17) \\ & = 18 \end{aligned}$$

$$\begin{aligned} 6. \quad & (8 \times 3 \div 1) \\ & = (24 \div 1) \\ & = 24 \end{aligned}$$

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$$\begin{aligned} 7. \quad & (6^2 + 1 \div 1) \\ & = (36 + 1 \div 1) \\ & = (36 + 1) \\ & = 37 \end{aligned}$$

$$\begin{aligned} 8. \quad & (4^2 \times 1) \div 8 \times 5 \\ & = (16 \times 1) \div 8 \times 5 \\ & = 16 \div 8 \times 5 \\ & = 2 \times 5 \\ & = 10 \end{aligned}$$

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$$\begin{aligned} 9. \quad & (3^2 + 4) \times 1 \\ & = (9 + 4) \times 1 \\ & = 13 \times 1 \\ & = 13 \end{aligned}$$

$$\begin{aligned} 10. \quad & (4 + 6 \times 9 \times 3) \div 2 \\ & = (4 + 54 \times 3) \div 2 \\ & = (4 + 162) \div 2 \\ & = 166 \div 2 \\ & = 81 \end{aligned}$$

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$$\begin{aligned} 11. \quad & (3^2 \times 9) \times 6 \\ & = (9 \times 9) \times 6 \\ & = 81 \times 6 \\ & = 486 \end{aligned}$$

$$\begin{aligned} 12. \quad & (9 - 4^2 + 8) \\ & = (9 - 16 + 8) \\ & = (-7 + 8) \\ & = 1 \end{aligned}$$