

Name: _____

Grade: _____

Score: _____

Worksheet #3



BIDMAS

Learning goal: Students will apply BIDMAS (Brackets, Indices, Division, Multiplication, Addition, and Subtraction) to simplify numerical expressions using step-by-step calculations.

$$\begin{aligned}\sqrt{484} + 3^5 - (60.8 \div 6) \\ = 22 + 243 - 10.13 \\ = 265 - 10.13 \\ = 254.87\end{aligned}$$

$$\sqrt{676} - 7^3 + (80.4 \div 8)$$

$$10^2 - \sqrt{361} + (8.9 \div -3)$$

$$15^2 - \sqrt{841} + (42.6 \div -7)$$

$$\sqrt{576} + 4^4 - (70.8 \div 7)$$

$$\sqrt{784} + 5^3 - (90.9 \div 9)$$

$$13^2 - \sqrt{625} + (27.3 \div -3)$$

$$\sqrt{900} - 8^3 + (100.8 \div 10)$$

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Worksheet #3(Answers)

**BIDMAS**

Learning goal: Students will apply BIDMAS (Brackets, Indices, Division, Multiplication, Addition, and Subtraction) to simplify numerical expressions using step-by-step calculations.

$$\begin{aligned}\sqrt{484} + 3^5 - (60.8 \div 6) \\&= 22 + 243 - 10.13 \\&= 265 - 10.13 \\&= 254.87\end{aligned}$$

$$\begin{aligned}\sqrt{676} - 7^3 + (80.4 \div 8) \\&= 26 - 343 + 10.05 \\&= -317 + 10.05 \\&= -306.95\end{aligned}$$

$$\begin{aligned}10^2 - \sqrt{361} + (8.9 \div -3) \\&= 100 - 19 - 2.97 \\&= 81 - 2.97 \\&= 78.03\end{aligned}$$

$$\begin{aligned}15^2 - \sqrt{841} + (42.6 \div -7) \\&= 225 - 29 - 6.09 \\&= 196 - 91 \\&= 189.91\end{aligned}$$

$$\begin{aligned}\sqrt{576} + 4^4 - (70.8 \div 7) \\&= 24 + 256 - 10.11 \\&= 280 - 10.11 \\&= 269.89\end{aligned}$$

$$\begin{aligned}\sqrt{784} + 5^3 - (90.9 \div 9) \\&= 28 + 125 - 10.1 \\&= 153 - 10.1 \\&= 142.9\end{aligned}$$

$$\begin{aligned}13^2 - \sqrt{625} + (27.3 \div -3) \\&= 169 - 25 - 9.1 \\&= 144 - 9.1 \\&= 134.9\end{aligned}$$

$$\begin{aligned}\sqrt{900} - 8^3 + (100.8 \div 10) \\&= 30 - 512 + 10.08 \\&= -482 + 10.08 \\&= -471.92\end{aligned}$$