

Grade: 5 **Category:** Order of operations (PEDMAS)

Sub Category: With nested parenthesis.(Double and triple brackets).

Worksheet #: 44Q

| | |
|---|---|
| 1. $[(15 - 9) \times (10 - 6)]^2$ | 5. $[(72 \div 9) \times 2] - 6$ |
| 2. $9^2 - \{6 \times [15 - (5^2 - 4^2)]\}$ | 6. $10^2 - \{8^2 - 22 [(6 - 5) \times (5^2 - 6 \times 40)]\}$ |
| 3. $1^3 \times \{7 - [6 \times (7 - 5)^2 + (17 - 9)]\}$ | 7. $5^3 - \{7^2 - 3^2 + [(17 - 6) + (9 - 5)]\}$ |
| 4. $92 - \{[(82 - 60b) + (52 - 32)] \times 2\}$ | 8. $72 \div \{6 \times [(9 \times 10) \div (30 \times 3)]\}$ |

Grade: 5 **Category:** Order of operations (PEDMAS) **Sub Category:** With nested parenthesis.(Double and triple brackets). **Worksheet #:** 44A

| | |
|---|--|
| 1. $\begin{aligned} & [(15 - 9) \times (10 - 6)]^2 \\ & [6 \times 4]^2 \\ & 24^2 \end{aligned} = 216$ | 5. $\begin{aligned} & [(72 \div 9) \times 2] - 6 \\ & [8 \times 2] - 6 \\ & 16 - 6 \end{aligned} = 10$ |
| 2. $\begin{aligned} & 9^2 - \{6 \times [15 - (5^2 - 4^2)]\} \\ & 81 - \{6 \times [15 - (25 - 16)]\} \\ & 81 - \{6 \times [15 - 9]\} \\ & 81 - \{6 \times 6\} \\ & 81 - 36 = \end{aligned} = 45$ | 6. $\begin{aligned} & 10^2 - \{8^2 - 22 [(6 - 5) \times (5^2 - 6 \times 4)]\} \\ & 100 - \{64 - 22 [1 \times (25 - 24)]\} \\ & 100 - \{64 - 22 [1 \times 1]\} \\ & 100 - \{64 - 22 [1]\} \\ & 100 - 32 \end{aligned} = 68$ |
| 3. $\begin{aligned} & 1^3 \times \{7 + [6 \times (7 - 5)^2 + (17 - 9)]\} \\ & 1 \times \{7 + [6 \times 4 + 8]\} \\ & 1 \times \{7 + 24 + 8\} \\ & 1 \times 39 \end{aligned} = 39$ | 7. $\begin{aligned} & 5^3 - \{7^2 - 3^2 + [(17 - 6) + (9 - 5)]\} \\ & 125 - \{49 - 9 + [11 + 4]\} \\ & 125 - \{49 - 24\} \\ & 125 - \{25\} \end{aligned} = 100$ |
| 4. $\begin{aligned} & 92 - \{[(82 - 60) + (52 - 32)] \times 2\} \\ & 92 - \{[22 + 20] \times 2\} \\ & 92 - \{42 \times 2\} \\ & 92 - 84 \end{aligned} = 8$ | 8. $\begin{aligned} & 72 \div \{6 \times [(9 \times 10) \div (30 \times 3)]\} \\ & 72 \div \{6 \times [90 \div 90]\} \\ & 72 \div \{6 \times 1\} \\ & 72 \div 6 \end{aligned} = 12$ |