Grade: 5 **Category:** Order of operations (PEMDAS) **Sub Category:** With nested parentheses(Double and triple brackets) **Worksheet :** 44Q

1. $[(15 - 9) \times (10 - 6)]^2$	2. $9^2 - \{6 \times [15 - (5^2 - 4^2)]\}$
3. $92 - \{ [(82 - 60) + (52 - 32)]\}$	4. $10^2 - \{8^2 - 22 [(6 - 5) \times (5^2 - 6 \times 4)]\}$
5. $5^3 - \{7^2 - 3^2 + [(17 - 6) + (9 - 5)]\}$	6. $[(72 \div 9) \times 2] - 6$
7. $72 \div \{ 6 \times [(9 \times 10) \div (30 \times 3)]\}$	8. $4^2 + 3^2 - \{25 - [2 \times (11 + 9 - 13)]\}$

Grade: 5 **Category:** Order of operations (PEMDAS) **Sub Category:** With nested parentheses(Double and triple brackets) **Worksheet :** 44A

1. $[(15 - 9) \times (10 - 6)]^2$ $[(6) \times (4)]^2$ 24^2 = 576	2. $9^2 - \{6 \times [15 - (5^2 - 4^2)]\}$ $81 - \{6 \times [15 - (25 - 16)]\}$ $81 - \{6 \times [15 - 9]\}$ $81 - \{6 \times 6\}$ 81 – 36 = 45
3. $92 - \{[(82 - 60) + (52 - 32)]\}$ $92 - \{[22 + 20] \times 2\}$ $92 - \{42 \times 2\}$ 92 – 84 = 8	4. $10^2 - \{8^2 - 22[(6 - 5) \times (5^2 - 6 \times 4)]\}$ $100 - \{64 - 22[(1) \times (25 - 24)]\}$ $100 - \{64 - 22[1 \times 1]\}$ $100 - \{42[1]\}$ 100 – 42 = 58
5. $5^3 - \{7^2 - 3^2 + [(17 - 6) + (9 - 5)]\}$ $125 - \{49 - 9 + [11 + 4]\}$ $125 - \{40 + [15]\}$ $125 - \{55\}$ = 70	6. $[(72 \div 9) \times 2] - 6$ $[8 \times 2] - 6$ 16 – 6 = 10
7. $72 \div \{6 \times [(9 \times 10) \div (30 \times 3)]\}$ $72 \div \{6 \times [(90) \div (90)]\}$ $72 \div \{6 \times 1\}$ 72 ÷ 6 = 12	8. $4^2 + 3^2 - \{25 - [2 \times (11 + 9 - 13)]\}$ $16 + 9 - \{25 - [2 \times (20 - 13)]\}$ $16 + 9 - \{25 - [2 \times (7)]\}$ $16 + 9 - \{25 - [14]\}$ 25 – 11 = 14