

Grade: 5 **Category:** Order of operations (PEDMAS)**Sub Category:** With parenthesis & exponents. Solve the following.**Worksheet #:** 43Q

1. $5^2 - 3^2 \times 2 + 8 \div 4$	6. $(42 - 30) \div 6 \times 4 + 3^2$
2. $8 \times (2 + 5 + 3) - (8 - 4)^2$	7. $5^2 + (2 + 12 - 4)^2 \div 10$
3. $8^2 + 4^2 - 15 \times 10 \div 2$	8. $6^2 - 4^2 \times 2 + 6 - 3^2$
4. $6^2 + (12 + 5 - 10)^2 \div 7$	9. $(6^2 - 4^2) \times 2 + 6 - 3^2$
5. $5^3 - (9 + 2 - 5)^2 + 4$	10. $6^2 - 4^2 \times 2 + (6 - 3)^2$

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

Sub Category: With parenthesis & exponents. Solve the following.

Worksheet #: 43A

1. $5^2 - 3^2 \times 2 + 8 \div 4$ or $25 - 9 \times 2 + 8 \div 4$ or $25 - 18 + 2$ or $25 - 20 = 5$	6. $(42 - 30) \div 6 \times 4 + 3^2$ $12 \div 6 \times 4 + 9$ $2 \times 4 + 9$ $8 + 9 = 17$
2. $8 \times (2 + 5 + 3) - (8 - 4)^2$ $8 \times 10 - 16$ $80 - 16 = 64$	7. $5^2 + (2 + 12 - 4)^2 \div 10$ $25 + 100 \div 10$ $25 + 10 = 35$
3. $8^2 + 4^2 - 15 \times 10 \div 2$ $64 + 16 - 15 \times 5$ $80 + 16 - 75$ $96 - 75 = 21$	8. $6^2 - 4^2 \times 2 + 6 - 3^2$ $36 - 16 \times 2 + 6 - 9$ $36 - 32 + 6 - 9$ $4 + 6 - 9 = 10 - 9 = 1$
4. $6^2 + (12 + 5 - 10)^2 \div 7$ $36 + 7^2 \div 7$ $36 + 49 \div 7$ $36 + 7 = 43$	9. $(6^2 - 4^2) \times 2 + 6 - 3^2$ $(36 - 16) \times 2 + 6 - 9$ $20 \times 2 + 6 - 9$ $40 + 6 - 9 = 46 - 9 = 37$
5. $5^3 - (9 + 2 - 5)^2 + 4$ $125 - 36 + 4$ $125 - 40 = 85$	10. $6^2 - 4^2 \times 2 + (6 - 3)^2$ $36 - 16 \times 2 + 9$ $36 - 32 + 9$ $4 + 9 = 13$