

ORDER OF OPERATIONS - B

ANSWERS

ORDER OF OPERATIONS	
1. PARENTHESES ()	↓
2. EXPONENTS $3^2 = 3 \times 3$	
3. MULTIPLICATION AND DIVISION $\times \div$	→
4. ADDITION AND SUBTRACTION $+$ $-$	

HELPFUL EXAMPLE

$4 \times (9 - 3) + 4^2$
 $4 \times 6 + 16$
 $24 + 16$
 40

1. PARENTHESES.
 2. EXPONENTS.
 3. MULTIPLICATION.
 4. ADDITION.

$4^2 = 4 \times 4 = 16$

ANSWER: 40

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. $24 - 8 + 7 \times 2 = 30$
 2. $7^2 \times (5 \times 0) + 3 = 3$
 3. $15 + 5^2 \div 5 - 6 = 14$

4. $72 \div 3 \div 6 \times 2 = 8$
 5. $7 \times 9 - (4 + 9) = 50$
 6. $7 \times 9 - 4 + 9 = 68$

7. $45 - 4 \times (3 + 5) = 13$
 8. $2 \times 3^3 - 3 \times 2^4 = 6$
 9. $30 \div (8 - 3 \times 2) = 15$

BRACKETS [] ARE LIKE PARENTHESES.

10. $3 \times [(2 + 4) \div 3] = 6$
 $3 \times [6 \div 3] = 6$
 $3 \times 2 = 6$

11. $[51 - (26 + 13)] \times 3^2 = 108$
 12. $42 - 11 + 18 + 9 = 58$

13. $4^3 + 8 \div (7 - 5) = 68$
 14. $(6 - 1)^3 - 50 \times 2 = 25$
 15. $[(39 + 13) - 12] \times 3 = 120$

16. $39 + 13 - 12 \times 3 = 26$
 17. $[(4 \times 7) - 19]^2 - 8^2 = 17$
 18. $42 - (11 + 18 + 9) = 4$