ORDER OF OPERATIONS - B

ANSWERS

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

HELPFUL EXAMPLE

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

$4 \times (9 - 3) + 4^2$

$4 \times 6 + 4^2$

$4 \times 6 + 16$

$24 + 16$

40

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

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

$3 \times [6 \div 3]$

3×2

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