Grade 8 Order of Operations Worksheet

Name: _____ Date: _____ Score: _____

Follow the order of operations (PEMDAS). Write your answer on the line.

1. (10 + 3) × (10 - 3) = ?
2. 5 × (4 + 4) - 4 × 4 = ?
3. (10 + 5) × (10 - 5) = ?
4. (3 + 2) × (3 - 2) = ?
5. (9 + 3) × (9 - 3) = ?
6. 3 × (3 + 4) - 6 × 2 = ?
7. (9 + 4) × (9 - 4) = ?
8. (4 + 2) × (4 - 2) = ?
9. 3^2 + 3 × 4 - 3 = ?
10. 3 × (1 + 4) - 7 × 4 = ?
11. 4^2 + 3 × 2 - 2 = ?
12. 4^2 + 5 × 2 - 6 = ?
13. 5^2 + 1 × 3 - 6 = ?
14. 6^2 + 3 × 3 - 1 = ?
15. 5^2 + 1 × 2 - 8 = ?
16. 6 × (1 + 2) - 8 × 2 = ?
17. (8 + 2) × (8 - 2) = ?
18. 4^2 + 4 × 2 - 1 = ?
19. 6^2 + 4 × 2 - 2 = ?
20. (5 + 2) × (5 - 2) = ?
21. 5 × (4 + 2) - 6 × 1 = ?
22. 3^2 + 5 × 3 - 6 = ?
23. 2^2 + 5 × 3 - 1 = ?
24. 6^2 + 1 × 3 - 7 = ?
25. 6^2 + 5 × 4 - 7 = ?
26. 5 × (2 + 2) - 8 × 4 = ?
27. (2 + 2) × (2 - 2) = ?
28. 3 × (3 + 3) - 2 × 4 = ?
29. (10 + 4) × (10 - 4) = ?
30. 5 × (1 + 3) - 2 × 1 = ?

ANSWER KEY

Grade 8 Order of Operations Worksheet

1. (10 + 3) × (10 - 3) = ?
   91
2. 5 × (4 + 4) - 4 × 4 = ?
   24
3. (10 + 5) × (10 - 5) = ?
   75
4. (3 + 2) × (3 - 2) = ?
   5
5. (9 + 3) × (9 - 3) = ?
   72
6. 3 × (3 + 4) - 6 × 2 = ?
   9
7. (9 + 4) × (9 - 4) = ?
   65
8. (4 + 2) × (4 - 2) = ?
   12
9. 3^2 + 3 × 4 - 3 = ?
   18
10. 3 × (1 + 4) - 7 × 4 = ?
    -13
11. 4^2 + 3 × 2 - 2 = ?
    20
12. 4^2 + 5 × 2 - 6 = ?
    20
13. 5^2 + 1 × 3 - 6 = ?
    22
14. 6^2 + 3 × 3 - 1 = ?
    44
15. 5^2 + 1 × 2 - 8 = ?
    19
16. 6 × (1 + 2) - 8 × 2 = ?
    2
17. (8 + 2) × (8 - 2) = ?
    60
18. 4^2 + 4 × 2 - 1 = ?
    23
19. 6^2 + 4 × 2 - 2 = ?
    42
20. (5 + 2) × (5 - 2) = ?
    21
21. 5 × (4 + 2) - 6 × 1 = ?
    24
22. 3^2 + 5 × 3 - 6 = ?
    18
23. 2^2 + 5 × 3 - 1 = ?
    18
24. 6^2 + 1 × 3 - 7 = ?
    32
25. 6^2 + 5 × 4 - 7 = ?
    49
26. 5 × (2 + 2) - 8 × 4 = ?
    -12
27. (2 + 2) × (2 - 2) = ?
    0
28. 3 × (3 + 3) - 2 × 4 = ?
    10
29. (10 + 4) × (10 - 4) = ?
    84
30. 5 × (1 + 3) - 2 × 1 = ?
    18