

Grade 8 Order of Operations Worksheet

Name: _____ Date: _____ Score: _____

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

1. $(10 + 3) \times (10 - 3) = ?$

2. $5 \times (4 + 4) - 4 \times 4 = ?$

3. $(10 + 5) \times (10 - 5) = ?$

4. $(3 + 2) \times (3 - 2) = ?$

5. $(9 + 3) \times (9 - 3) = ?$

6. $3 \times (3 + 4) - 6 \times 2 = ?$

7. $(9 + 4) \times (9 - 4) = ?$

8. $(4 + 2) \times (4 - 2) = ?$

9. $3^2 + 3 \times 4 - 3 = ?$

10. $3 \times (1 + 4) - 7 \times 4 = ?$

11. $4^2 + 3 \times 2 - 2 = ?$

12. $4^2 + 5 \times 2 - 6 = ?$

13. $5^2 + 1 \times 3 - 6 = ?$

14. $6^2 + 3 \times 3 - 1 = ?$

15. $5^2 + 1 \times 2 - 8 = ?$

16. $6 \times (1 + 2) - 8 \times 2 = ?$

17. $(8 + 2) \times (8 - 2) = ?$

18. $4^2 + 4 \times 2 - 1 = ?$

19. $6^2 + 4 \times 2 - 2 = ?$

20. $(5 + 2) \times (5 - 2) = ?$

21. $5 \times (4 + 2) - 6 \times 1 = ?$

22. $3^2 + 5 \times 3 - 6 = ?$

23. $2^2 + 5 \times 3 - 1 = ?$

24. $6^2 + 1 \times 3 - 7 = ?$

25. $6^2 + 5 \times 4 - 7 = ?$

26. $5 \times (2 + 2) - 8 \times 4 = ?$

27. $(2 + 2) \times (2 - 2) = ?$

28. $3 \times (3 + 3) - 2 \times 4 = ?$

29. $(10 + 4) \times (10 - 4) = ?$

30. $5 \times (1 + 3) - 2 \times 1 = ?$

ANSWER KEY

Grade 8 Order of Operations Worksheet

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