

1.3 Worksheet Order of Operations (Expert Level)

For every question, evaluate while showing your work.

1. $[(-1) \times (-2)]^2 - 10$

2. $[6 + (-2)^2] \div (-5)$

3. $(-6) \times [-2 + (-1)^2]$

4. $5 - 3[(-1) + (-1)^7]$

5. $5 + 3 \times (-6) \div (-3)$

6. $[2 \div (1 \times (-2))]^7$

7. $(-4)^2 \div (3 - 5)$

8. $4 \times (-8 + 7)^{94}$

9. $6 \div [(-1)^9]^{10}$

10. $-3 + 5[(-2)^2 - (-1)^3]$

11. $(-2)^4 + 9 \times (-1)$

12. $-3 + (-2) + (-1)^3$

13. $(-1)^{1+1} \times 2$

14. $(-1)^3 \times [8 - (-2)]$

15. $2^4 \div [10 - (3 \times 5 + 3)] \times (-2)$

16. $(-8) - (-1) \times (-6) \div (-6) - 3^2 - 1$

17. $[(-1)^7 - 9] \times 2 \times [1 + (-1)^7]$

18. $(-1) \times (-8) \div (-1)^{7 \times 2} - (-2)^4$

19. $10 + 8 - (10 \div 10)^{(-1)^6}$

20. $4^2 \div [2^3 \div ((-1) \times (8 + (-4)))]$

21. $(-1)^{100} \times [6 \div (-2)]^{6+(-4)} \div 3$

22. $(4 + 3) \times 1 \div [(-1)^5 \times (-1)^7]$

Answers:

1. -6

2. -2

3. 6

4. 11

5. 11

6. -1

7. -8

8. 4

9. 6

10. 22

11. 7

12. -6

13. 2

14. -10

15. 4

16. -17

17. 0

18. -8

19. 17

20. -8

21. 3

22. 7