



Order of Operations Problem Set 1

1. Simplify. $5 + 5 \times 3 \times 4 \div 3 - 1 =$

2. Simplify. $4(3 - 5^2 \times 9 \div 3 - 1) =$

3. Simplify. $(5^2 - 4^2)^2 + 3(27 \div 9) =$

4. Simplify. $6 \div (9 \div 3^2 + 3) =$

5. Simplify. $(505 \div 5 - 61) + (5 - 2^2)^4 =$

6. Simplify. $3(4[5(9^2 - 80)]) =$

7. Simplify. $6 + 5 \times 4 \div 4 - 7 =$

8. Simplify. $(60 \times 70) \div 42 =$

9. Simplify. $-(3 + 6) - (2 \times 5) =$

10. Simplify. $(625 - 25^2) \times 2 \div 647 \times 786 =$



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11. Simplify. $(5 + 4)^2 \left(\frac{64}{24}\right)^{\frac{1}{2}} =$

12. Simplify. $\frac{(6 \times 3 - 10)}{\frac{20^2}{100}} =$

13. Simplify. $\frac{[(5^2 - 4^2)^2 + 3(27 \div 9)]}{[(60 \times 70) \div 42 \div 10]} =$

14. Simplify. $\frac{1}{\frac{1}{6}} = 1 \div \frac{1}{6} =$

15. Simplify. $\frac{\frac{7}{9+2}}{9+2} =$

16. Simplify. $\frac{([2+3 \cdot 6] \div 10)^2}{\left(\frac{80}{2^2 \cdot 5}\right)} =$

17. Simplify. $(2^2 \cdot 4 + 3^2)^{\frac{1}{2}} =$

18. Simplify $\frac{9^1 - 9}{5} =$

19. Simplify $\left(\frac{2^8}{126 \cdot 2 + \left(\frac{16}{8}\right)^2}\right)^{89}$

20. Simplify $\left((5^3)^{\frac{1}{3}}\right)^3 =$