

Name _____

Date _____

Class _____

Practice C: Order of Operations[Write out problem and show All work on separate paper.]

See for example

Simplify each expression.

1. $25 \cdot 3 + 60 \cdot 2$

2. $350 \div 5 + 12 \cdot 7$

3. $3 \cdot 9 + 96 \div 4$

4. $77 - 42 \div 7^1$

5. $532 - 2^5 \div 4$

6. $3(20 - 4^2) + 7$

7. $270 \div 6 + 6^2$

8. $(5 + 6)^2 + 18 \div 2$

9. $10^2 - 25 \cdot 3 \div 5$

10. $65 - 4^3 \cdot 1^7$

11. $40 - (5 \cdot 2) + 8$

12. $(6^2 + 4) \div 5$

13. $2^4 + 8 \div 5$

14. $(1 + 2)^2 \cdot (3 - 1)^2 \div 2$

15. $(16 \div 4) + 4 \cdot (2^2 - 2)$

Insert grouping symbols to make each statement true.

16. $18 \div 2 \cdot 1 + 3^2 = 38$

17. $4 \cdot 2 - 2^2 \div 9 + 2 = 6$

18. $3^3 - 9 \cdot 2 + 1 = 8$

19. $2^3 - 3 \cdot 5 - 8 = 1$

20. $35 \div 4^2 - 6 - 3 = 48$

21. $6 \cdot 7 - 3 \cdot 4 + 1 = 27$

22. A group of students charges \$7 to clean the exterior and \$6 to clean the interior of a car. They clean 9 exteriors and 5 interiors. Simplify the expression $7 \cdot 9 + 6 \cdot 5$ to find out how much money the students raised in all.

23. Ariel has \$85. She buys 5 books that cost \$8.00 each, a bookmark that costs \$2.00, and a magazine that costs \$4.00. Simplify the expression $85 - (5 \cdot 8 + 2 + 4)$ to find out how much money Ariel has left.

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