

HW 1-1**Int 1****Order of Operations****Unit 1**

Instructions: Find the value of each expression. NO CALCULATORS ALLOWED!

Order of Operations:

1. Parenthesis
2. Exponents
3. Multiply or Divide (Left to Right)
4. Add or Subtract (Left to Right)

1. $7 + 8 - 4 + 1$

2. $7 \cdot 5 - 2 \cdot 3$

3. $9 \cdot 8 \div 4 \cdot 2$

4. $6(5) - (13 + 2)$

5. $24 \div 6 \cdot 2$

6. $15 + (9 - 4) + 11$

7. $20 - 5 \cdot 2 + 3^2$

8. $37 + 8 - 6 \cdot 8 \div 4$

9. $40 - 36 \div 6 \cdot 3 + 8$

10. $2^3 \cdot 3^2 \div 3 \cdot 2 + 5$

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11. $6 + 3(18 - 12) + 13$

15. $5[8(2 + 5) - (4 + 7 \cdot 3)]$

12. $3(14 - 8 + 6)^2$

16. $2[(7 + 3)^2 - 4(7 - 3)]$

13. $\frac{2^4 + 3^2}{4(1 + 4)^2}$

17. $12 + 6 \cdot 2 - 3 + 18 \div 3$

14. $\frac{4 \cdot 7 + 4 \cdot 8}{5(3)}$

18. $18 \div 2 + 5 \cdot 3 - 24$

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19. $(12 + 3) \cdot 6 - 25 + 2$

20. $(21 \div 3 - 2 \cdot 2) + 15 - 6$

Problems 21-26 are EXTRA CREDIT!

21. $5(2^3) + 3(10^2 \div 10) \div 5 - 5$

24. $2^5 \div (3 + 1)^2$

22. $86 - 5(10 - 6) \cdot 4$

25. $2^2 \left[(3^3 - 4^2)^2 - 63 \div 3 \right]$

23. $40 \div (1 \cdot 5) - 3$

26. $100 - 8(62 - 52 \div 2) \div 3$