

Name: _____

Serviss

GRADE 9 – Order of Operations Cross-Number Puzzle

Complete the following questions on a separate sheet, *showing all steps!*

1.	2.			3.			4.
			5.			6.	
7.					8.		9.
				10.		11.	
12.			13.				
		14.		15.		16.	
	17.		18.				
19.		20.			21.		

ACROSS

1. $5 \times 3^2 + 6 \times (11 + 9)$
3. $7 \times 0 + 4 \times 6$
5. $12 \div 2 \times 5 + 4$
7. $56 - [12(6 - 4) + 17]$
11. $2 \times 6 + 3 \times 6$
12. $36 \div (12 - 3) + 22$
13. $\frac{40 \div 4 - 4}{8 \times 3 - 22}$
16. $3(2 + 4)$
17. $(51 - 10 \times 5) \div (16 \div 4 - 3)$
18. $6 \times (5 - 3)^3 + 7$
19. $\frac{18 + 12 \div 4}{7 \times 3}$
20. $[40 - 3 \times 7 + 9 - 6 \times 2] \div 4 + 19$
21. $5^3 + 6^2 \div 3 - 2^3$

DOWN

2. $(3 + 2)^4$
3. $64 \div 16 + 8 \times 2 + 4$
4. $(10 - 8)^3$
5. $4(5 - 2)^2$
6. $3 + \frac{7 + 41}{6} - 8$
8. $4(3 + 5) - 3(2 + 7)$
9. $\frac{63 - 9 \div 3}{21 \div 7}$
10. $\frac{8^2 - 14}{(3 + 2) \times 10}$
12. $(6 + 3) \times 3 - 5$
14. $\frac{16 - 3 + 12 \div 4}{64 \div 8}$
15. $6(5 + 2) - 7$
16. $(5 + 42 \div 6)(21 - 5 \times 2)$
18. $64 - 72 \div (8 \times 3) - \left(\frac{1}{2} \text{ of } 8 \times 2\right)$