

Practice 4-2 Exponents

Choose a calculator, mental math, or paper and pencil to simplify.

1. 9^2

2. 6^4

3. 5^3

4. 7^3

5. $156 + (256 \div 8^2)$

6. $32 + 64 + 2^3$

7. $53 + 64 \div 2^3$

8. $1,280 - 5 \times 6^2$

9. $7^3 - 3 \times 6 \div 2$

10. $17^2 - 8 \times 3$

11. $167 + (13 - 4)^3$

12. $(4 + 3)^2 - 17$

13. $8^3 - 5 \times 18 \div 3$

14. $5^2 \times 3 - 40$

15. $(9 + 3)^3$

16. $(24 - 16)^4$

Find each answer to complete the puzzle.

Across

1. $(3 \times 4)^2$

3. $60 \div (8 + 7) + 11$

4. $2^2 \times 5^2 + 106$

5. $4 + 7 \times 2^3$

6. $7^2 + 4$

9. $48 \div 4 \times 5 - 2 \times 5$

10. $(4 + 3) \times (2 + 1)$

12. $12 \times (30 + 37)$

13. $5 \times (9 + 4) + 362 \div 2$

14. $29 \times 18 \div 9$

Down

1. $8 \times (5 + 4) \div 6$

2. $700 \times (2 + 4) \div (17 - 7)$

3. $11 \times (18 - 3)$

5. $60 + (5 \times 4^3) + 2^2 \times 55$

7. $7^2 - 7 \times 2$

8. $(4^2 - 4) \times 10$

9. $2^4 \times 2^5$

11. $(3 + 2) \times (6^2 - 7)$

12. $3^4 + 405 \div 81$

1		2		3	
		4			
	5			6	7
			8		
9			10	11	
		12			
13				14	