



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Exponents - Challenge

1.  $4^7$

2.  $2 \cdot 4^4 + 5$

3.  $4 \cdot 4^5 + 15$

4.  $3^5 + 3^5$

5.  $4^5 + 4^4$

6.  $6 \cdot (-5)^8$

7.  $4^3 + 2^3$

8.  $3^7$



Name: \_\_\_\_\_

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## Exponents - Challenge

$$9. 4 \cdot (-4)^4$$

$$10. 4^5 + 2^4$$

$$11. 3 \cdot (-2)^8$$

$$12. 3 \cdot (-4)^4$$

$$13. 2^8$$

$$14. 2 \cdot (-5)^4$$

$$15. 3 \cdot 4^5 + 10$$

$$16. 5 \cdot (-4)^4$$



## Exponents – Challenge – Answer Key

1.  $4^7$

16384

2.  $2 \cdot 4^4 + 5$

517

3.  $4 \cdot 4^5 + 15$

4111

4.  $3^5 + 3^5$

486

5.  $4^5 + 4^4$

1280

6.  $6 \cdot (-5)^8$

2343750

7.  $4^3 + 2^3$

72

8.  $3^7$

2187



## Exponents – Challenge – Answer Key

9.  $4 \cdot (-4)^4$

1024

10.  $4^5 + 2^4$

1040

11.  $3 \cdot (-2)^8$

768

12.  $3 \cdot (-4)^4$

768

13.  $2^8$

256

14.  $2 \cdot (-5)^4$

1250

15.  $3 \cdot 4^5 + 10$

3082

16.  $5 \cdot (-4)^4$

1280