

Name _____

Date _____



Witchy Exponents



The witch is having trouble casting spells and making potions because she has forgotten how to read and write exponents. Look at each problem and write the exponent or long form as needed to help the witch remember exponents.

1. $8 \times 8 \times 8 \times 8 \times 8 =$ _____

2. $5^3 =$ _____

3. $2 \times 2 \times 2 \times 2 =$ _____

4. $7^{10} =$ _____

5. $4^7 =$ _____

6. $6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 =$ _____

7. $25^4 =$ _____

8. $100^2 =$ _____

9. $16 \times 16 \times 16 \times 16 \times 16 \times 16 \times 16 =$ _____

10. $60^5 =$ _____

11. $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 =$ _____

12. $32 \times 32 =$ _____

13. $85^6 =$ _____



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- $8 \times 8 \times 8 \times 8 \times 8 = 8^5$
- $5^3 = 5 \times 5 \times 5$
- $2 \times 2 \times 2 \times 2 = 2^4$
- $7^{10} = 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$
- $4^7 = 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$
- $6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 = 6^8$
- $25^4 = 25 \times 25 \times 25 \times 25$
- $100^2 = 100 \times 100$
- $16 \times 16 \times 16 \times 16 \times 16 \times 16 \times 16 = 16^7$
- $60^5 = 60 \times 60 \times 60 \times 60 \times 60$
- $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 = 7^7$
- $32 \times 32 = 32^2$
- $85^6 = 85 \times 85 \times 85 \times 85 \times 85 \times 85$

