

Name _____

Exponents

For questions 1–4, write in exponential notation.

1. $13 \times 13 \times 13$ _____

2. $8 \times 8 \times 8 \times 8 \times 8 \times 8$ _____

3. 64×64 _____

4. $4 \times 4 \times 4 \times 4$
 $\times 4 \times 4 \times 4 \times 4$ _____

For questions 5–8, write in expanded form.

5. 2^5 _____

6. 20 squared _____

7. 11^4 _____

8. 9 cubed _____

For questions 9–12, write in standard form.

9. $4 \times 4 \times 4$ _____

10. 14 squared _____

11. 6^5 _____

12. $9 \times 9 \times 9 \times 9$ _____

13. Which of these numbers, written in expanded form, is equal to 625?

A $5 \times 5 \times 5 \times 5$

B 5×5

C $5 \times 5 \times 5$

D $5 \times 5 \times 5 \times 5 \times 5$

14. Find the number equal to 6 raised to the second power.

A 18

B 36

C 6

D 12

15. Explain what 4 raised to the fourth power means.
