

1.2**Exponents and Powers - Practice**

Name _____ Date _____

Write the product as a power.

1. $5 \times 5 \times 5$

2. 13×13

3. $8 \cdot 8 \cdot 8 \cdot 8 \cdot 8 \cdot 8$

4. $12 \cdot 12 \cdot 12 \cdot 12 \cdot 12$

5. $10 \cdot 10 \cdot 10 \cdot 10$

6. $17 \times 17 \times 17$

Find the value of the power.

7. 4^4

8. 9^3

9. 24^2

Determine whether the number is a perfect square.

10. 47

11. 16

12. 121

13. You complete 3 centimeters of a necklace in an hour. Each hour after the first, you triple the length of the necklace. Write an expression using exponents for the length of the necklace after 3 hours. Then find the length.