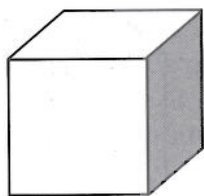


LESSON
1-4

Practice B
Powers and Exponents

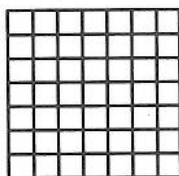
Write the power represented by each geometric model.

1.

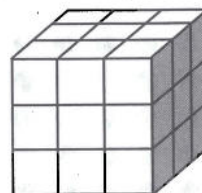


5

2.



3.



Evaluate each expression.

4. 2^4

5. $(-3)^3$

6. $(\frac{2}{5})^2$

7. 3^5

8. $(-10)^4$

9. $(\frac{3}{4})^2$

Write each number as a power of the given base.

10. 16; base 2

11. 1,000,000; base 10

12. -216; base -6

13. 2401; base 7

14. 256; base -4

15. $\frac{8}{27}$; base $\frac{2}{3}$

16. Anna needed to let everyone in the music club know the time of its next meeting. She called two people and asked each of them to call two other people, and so on. If each phone call takes one minute, how many phone calls were made during the fifth minute?
