

1.2**Practice B**

For use with pages 10-13

Write the product using an exponent.

1. $43 \cdot 43 \cdot 43 \cdot 43$

2. $100 \cdot 100 \cdot 100$

3. $x \cdot x \cdot x$

4. $p \cdot p \cdot p \cdot p \cdot p$

Evaluate the expression when $n = 8$ and $n = 0.3$.

5. n^2

6. n^3

7. n^4

8. n^6

9. n^8

10. n^7

Write the power in words and as a repeated multiplication. Then evaluate the power.

11. 9^6

12. 16^4

13. 2.5^4

14. 1.4^3

Evaluate the expression when $x = 0.64$ and $y = 15$.

15. x^3

16. x^2

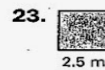
17. x^1

18. y^3

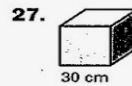
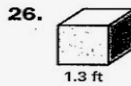
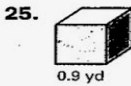
19. y^4

20. y^5

Find the area of the square.



Find the volume of the cube.

29. Compare each number in the top row of the table with the number below it. Describe any pattern you see. Complete the table with a variable expression involving n .

1	2	3	4	...	n
1	16	81	256	...	?