

**Rewrite the number as a multiplication problem.**

1) 2^5

2) 8^3

3) 3^3

4) 2^2

5) 7^3

Rewrite the multiplication problem in exponential notation.

6) $8 \cdot 8$

7) $5 \cdot 5$

8) $6 \cdot 6 \cdot 6$

9) $8 \cdot 8 \cdot 8 \cdot 8$

10) $9 \cdot 9 \cdot 9 \cdot 9 \cdot 9$

Solve the problems.

11) 7^3

12) 4^3

13) 3^3

14) 8^2

15) 5^2

16) What is 3 to the power of two?

17) What is 8 cubed?

18) What is 6 squared?

19) What is 9 to the power of three?

20) What is 6 cubed?

Answers

1. $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

2. $8 \cdot 8 \cdot 8$

3. $3 \cdot 3 \cdot 3$

4. $2 \cdot 2$

5. $7 \cdot 7 \cdot 7$

6. 8^2

7. 5^2

8. 6^3

9. 8^4

10. 9^5

11. 343

12. 64

13. 27

14. 64

15. 25

16. 9

17. 512

18. 36

19. 729

20. 216