



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

- 1)  $2^4$
- 2)  $7^5$
- 3)  $6^2$
- 4)  $2^2$
- 5)  $8^4$

**Rewrite the multiplication problem in exponential notation.**

- 6)  $6 \times 6 \times 6 \times 6 \times 6$
- 7)  $2 \times 2 \times 2 \times 2 \times 2$
- 8)  $9 \times 9 \times 9 \times 9 \times 9$
- 9)  $5 \times 5 \times 5$
- 10)  $3 \times 3 \times 3$

**Solve the problems.**

- 11)  $5^2$
- 12)  $8^3$
- 13)  $5^3$
- 14)  $7^2$
- 15)  $7^3$
- 16) What is 9 to the power of three?
- 17) What is 4 to the power of two?
- 18) What is 3 squared?
- 19) What is 2 to the power of three?
- 20) What is 8 squared?

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_



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- 20) What is 8 squared?

**Answers**

- 1.  $2 \times 2 \times 2 \times 2$
- 2.  $7 \times 7 \times 7 \times 7 \times 7$
- 3.  $6 \times 6$
- 4.  $2 \times 2$
- 5.  $8 \times 8 \times 8 \times 8$
- 6.  $6^5$
- 7.  $2^5$
- 8.  $9^5$
- 9.  $5^3$
- 10.  $3^3$
- 11.  $25$
- 12.  $512$
- 13.  $125$
- 14.  $49$
- 15.  $343$
- 16.  $729$
- 17.  $16$
- 18.  $9$
- 19.  $8$
- 20.  $64$