



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

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

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

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

**Solve the problems.**

- 11)  $5^3$
- 12)  $3^3$
- 13)  $5^2$
- 14)  $6^3$
- 15)  $8^2$
- 16) What is 2 cubed?
- 17) What is 7 to the power of three?
- 18) What is 8 to the power of three?
- 19) What is 9 to the power of two?
- 20) What is 2 to the power of two?

**Answers**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_
- 14. \_\_\_\_\_
- 15. \_\_\_\_\_
- 16. \_\_\_\_\_
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- 18. \_\_\_\_\_
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- 20) What is 2 to the power of two?

**Answers**

1.  $6 \times 6$
2.  $7 \times 7 \times 7 \times 7$
3.  $6 \times 6 \times 6$
4.  $4 \times 4$
5.  $4 \times 4 \times 4 \times 4 \times 4$
6.  $8^5$
7.  $7^5$
8.  $5^2$
9.  $5^5$
10.  $3^5$
11.  $125$
12.  $27$
13.  $25$
14.  $216$
15.  $64$
16.  $8$
17.  $343$
18.  $512$
19.  $81$
20.  $4$