

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

1)  $5^4$

2)  $9^5$

3)  $6^2$

4)  $8^4$

5)  $2^2$

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

6)  $5 \times 5 \times 5$

7)  $9 \times 9 \times 9 \times 9 \times 9$

8)  $9 \times 9 \times 9$

9)  $5 \times 5 \times 5 \times 5 \times 5$

10)  $4 \times 4 \times 4 \times 4 \times 4$

**Solve the problems.**

11)  $6^3$

12)  $3^2$

13)  $9^3$

14)  $2^2$

15)  $8^3$

16) What is 6 to the power of two?

17) What is 3 to the power of three?

18) What is 5 squared?

19) What is 4 squared?

20) What is 4 cubed?

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

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5)  $2^2$

**Answers**

1.  $5 \times 5 \times 5 \times 5$

2.  $9 \times 9 \times 9 \times 9 \times 9$

3.  $6 \times 6$

4.  $8 \times 8 \times 8 \times 8$

5.  $2 \times 2$

6.  $5^3$

7.  $9^5$

8.  $9^3$

9.  $5^5$

10.  $4^5$

11.  $216$

12.  $9$

13.  $729$

14.  $4$

15.  $512$

16.  $36$

17.  $27$

18.  $25$

19.  $16$

20.  $64$

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