



**Answers**

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

1)  $9^4$

2)  $8^5$

3)  $3^2$

4)  $6^3$

5)  $8^3$

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

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

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

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

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

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

6)  $2 \times 2 \times 2 \times 2 \times 2$

7)  $3 \times 3 \times 3 \times 3 \times 3$

8)  $7 \times 7 \times 7 \times 7$

9)  $8 \times 8 \times 8 \times 8 \times 8$

10)  $5 \times 5 \times 5 \times 5 \times 5$

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

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

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

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

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

**Solve the problem.**

11)  $6^3$

12)  $8^2$

13)  $2^3$

14)  $2^2$

15)  $7^3$

16) What is 5 to the power of three?

17) What is 5 to the power of two?

18) What is 8 to the power of three?

19) What is 2 to the power of two?

20) What is 2 to the power of three?

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

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

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

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

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

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

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

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

19. \_\_\_\_\_

20. \_\_\_\_\_

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**Answers**

1.  $9 \times 9 \times 9 \times 9$

2.  $8 \times 8 \times 8 \times 8 \times 8$

3.  $3 \times 3$

4.  $6 \times 6 \times 6$

5.  $8 \times 8 \times 8$

6.  $2^5$

7.  $3^5$

8.  $7^4$

9.  $8^5$

10.  $5^5$

11.  $216$

12.  $64$

13.  $8$

14.  $4$

15.  $343$

16.  $125$

17.  $25$

18.  $512$

19.  $4$

20.  $8$