

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

1)  $8^4$

2)  $5^2$

3)  $3^4$

4)  $7^4$

5)  $9^2$

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

6)  $5 \times 5$

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

8)  $5 \times 5 \times 5$

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

10)  $4 \times 4 \times 4$

**Solve the problem.**

11)  $6^3$

12)  $3^3$

13)  $8^3$

14)  $2^2$

15)  $8^2$

16) What is 5 to the power of three?

17) What is 8 cubed?

18) What is 6 to the power of three?

19) What is 3 to the power of three?

20) What is 5 squared?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1)  $8^4$

2)  $5^2$

3)  $3^4$

4)  $7^4$

5)  $9^2$

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

6)  $5 \times 5$

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

8)  $5 \times 5 \times 5$

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

10)  $4 \times 4 \times 4$

**Solve the problem.**

11)  $6^3$

12)  $3^3$

13)  $8^3$

14)  $2^2$

15)  $8^2$

16) What is 5 to the power of three?

17) What is 8 cubed?

18) What is 6 to the power of three?

19) What is 3 to the power of three?

20) What is 5 squared?

**Answers**

1.  $8 \times 8 \times 8 \times 8$

2.  $5 \times 5$

3.  $3 \times 3 \times 3 \times 3$

4.  $7 \times 7 \times 7 \times 7$

5.  $9 \times 9$

6.  $5^2$

7.  $3^4$

8.  $5^3$

9.  $8^4$

10.  $4^3$

11.  $216$

12.  $27$

13.  $512$

14.  $4$

15.  $64$

16.  $125$

17.  $512$

18.  $216$

19.  $27$

20.  $25$