

**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) 5×5

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. _____

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Answers

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

2. 5×5

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

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

5. 9×9

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