

	Base	Exponent	Multiplication (Factor Form)	Value
9 ³				
6 ⁴				
3 ³				
8 ⁴				
4 ⁵				
7 ³				
5 ⁶				

Write the following using a **base** and an **exponent**.

Example: $3 \times 3 \times 3 \times 3 \times 3$ 3⁵

1) $7 \times 7 \times 7 \times 7 \times 7 \times 7$ _____ 2) $5 \times 5 \times 5 \times 5 \times 5$ _____

3) $9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9$ _____ 4) $10 \times 10 \times 10 \times 10$ _____

Example: 4^3 64

5) 5^2 _____

6) 3^6 _____

7) 10^8 _____

8) 4^3 _____

9) 6^3 _____

10) 8^5 _____

11) 10^5 _____

12) 7^4 _____

Write the multiplication and then find the value of the following.
Use a calculator.

	<u>Multiplication (Factor Form)</u>	<u>Value</u>
Example:	$6^2 \times 8$	288

	<u>Multiplication (Factor Form)</u>	<u>Value</u>
13)	$7^2 \times 4$	
14)	$2^4 \times 5$	
15)	$5^4 \times 3$	
16)	$10^4 \times 8$	
17)	$6^5 \times 2^2$	