



## Simplifying Exponentials

**Example:**

Write  $3^4$  in standard notation.

$$3^4 = 3 \times 3 \times 3 \times 3.$$

**Write the following expressions in standard notation.**

1.  $2^6$

2.  $5^3$

3.  $4^7$

4.  $12^2$

5.  $9^1$

6.  $20^5$

7.  $6^3$

8.  $3^6$

9.  $10^4$

**Write the following expressions in exponential notation.**

1.  $6 \times 6 \times 6$

2.  $3 \times 3 \times 3 \times 3 \times 3 \times 3$

3.  $10 \times 10$

4.  $21 \times 21 \times 21 \times 21$

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

6.  $8 \times 8 \times 8 \times 8 \times 8$

7.  $5 \times 5 \times 5 \times 5 \times 5 \times 5$

8.  $2 \times 2 \times 2$

9.  $4 \times 4 \times 4 \times 4$