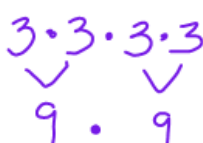
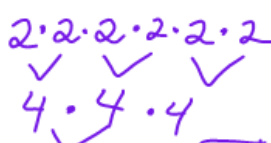
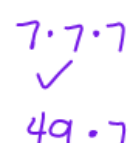


Example 1: Write the product as a power.

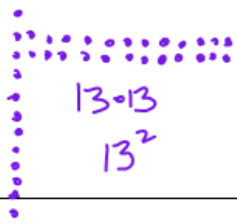

I Do	I Do	We Do
6 · 6 · 6 · 6 · 6	11 · 11 · 11	9 · 9 · 9 · 9 · 9 · 9 · 9
6^5	11^3	9^7

Example 2: Write each power as a product. Then, find the value of each power.

I Do	I Do	We Do
3^4	2^6	7^3
$3 \cdot 3 \cdot 3 \cdot 3$  $9 \cdot 9$ 81	$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$  $4 \cdot 4 \cdot 4$ $16 \cdot 4 = 64$	$7 \cdot 7 \cdot 7$  $49 \cdot 7$ 343

$$\begin{array}{r} 6 \\ 49 \\ \hline 7 \\ 343 \end{array}$$

Example 3: Powers in the real world.

I Do	We Do
<p>You are attending a school play. There are 13 rows of seats, and there are 13 seats per row. How many seats are there altogether?</p>  $13 \cdot 13$ 13^2 $\begin{array}{r} 13 \\ \times 13 \\ \hline 39 \\ +130 \\ \hline 169 \end{array}$ 169 seats	<p>You need to park 25 bikes at work. You must have the same number of rows as there are bikes in a row. How many rows will there be?</p>  $5 \cdot 5$ 5 rows