| Example 1 Adding and Subtracting Numbers in Scientific Notation <br> with the Different Powers | Ask yourself.... <br> Suppose, at the end of one winter, there are about $1.5 \cdot 10^{7}$ square kilometers of ice <br> in the Arctic Ocean. By the end of summer, much of the ice has melted, and there are <br> only about $7 \cdot 10^{6}$ square kilometers of ice. How much ice melted? |
| :--- | :--- |
| *Can I rewrite the <br> problem so the bases <br> have the SAME power <br> of ten? |  |



