

Name _____

Notation Sprint Answer Key

- | | |
|-------------------------|------------------------|
| 1. 5.8×10^6 | 7. 3×10^6 |
| 2. 0.000043 | 8. 10,600,000 |
| 3. < | 9. < |
| 4. 8×10^5 | 10. 3×10^3 |
| 5. 9.1×10^{-6} | 11. 4.2×10^5 |
| 6. > | 12. 4×10^{-2} |

Teacher's Guide

- Quick implementation tips
 - o Encourage students to identify the type of problem before solving it.
 - o Remind students to keep coefficients at least 1 and less than 10.
 - o Have students quickly check whether answers are reasonable by estimating the size of the result.
- Differentiation strategies
 - o Ask students who need support to label each problem as "convert," "compare," or "operate" before solving.
 - o Provide a reference sheet summarizing conversion rules and exponent operations.
 - o Challenge advanced students to explain why each method was the correct choice.
- Engagement ideas
 - o Turn the worksheet into a station activity with one station for each problem type.
 - o Have pairs compare their strategies before checking their answers.
- Extension activities
 - o Ask students to write one new conversion, one comparison, and one operation problem for a classmate.
 - o Have students convert every scientific notation answer into standard form as a self-check.