

Metric Links Answer Key

1. A, F, K
2. B, G, L
3. C, H, M
4. D, I, N
5. E, J, O

Teacher's Guide

- Quick implementation tips
 - o Review that scientific notation has a coefficient between 1 and 10.
 - o Remind students that the power of ten matches the exponent in scientific notation.
 - o Encourage students to match the easiest representation first, then complete the remaining matches.
- Differentiation strategies
 - o Allow students to highlight positive and negative exponents with different colors.
 - o Pair students so they can explain why each representation belongs together.
 - o Challenge advanced students to rewrite each scientific notation expression using expanded powers of ten.
- Engagement ideas
 - o Have students explain which measurement is the largest and which is the smallest.
 - o Ask students to create a new set of four matching representations using a real-world example of their own.
- Extension activities
 - o Have students convert each scientific notation value back to standard form without using the answer key.
 - o Ask students to order all five measurements from least to greatest.
 - o Invite students to research another scientific measurement and represent it in all four forms.