

Power Groups Answer Key

Category Chart

Exponent Form: A, D, G, J

Repeated Multiplication: B, E, H, L

Numerical Value: C, F, I, K

Equivalent Sets

1. $A = E = I$
2. $G = B = F$
3. $D = H = C$
4. $J = L = K$

Teacher's Guide

- Review the three representations before students begin: exponent form, repeated multiplication, and numerical value.
- Encourage students to sort all the cards into categories first, then look for matching sets.
- Support students who need extra practice by having them rewrite exponent forms as repeated multiplication before matching.
- Challenge advanced students to explain why each group represents the same quantity using mathematical vocabulary.
- Increase engagement by cutting the cards apart and letting pairs physically sort and match them before recording answers.
- Extend the lesson by asking students to create a new set of three matching cards for a classmate to sort.
- Reinforce that equivalent representations may look different but describe the same mathematical expression and value.