

Name _____

Reciprocal Pairs Answer Key

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|------|-------|
| 1. G | 6. F |
| 2. H | 7. J |
| 3. D | 8. B |
| 4. I | 9. C |
| 5. A | 10. E |

Bonus: 1, 2, 3, 6, 8, 10

Teacher's Guide

- Quick implementation tips
 - Review the rule $a^{-n} = \frac{1}{a^n}$ before students begin.
 - Encourage students to rewrite each negative exponent before looking for a match.
- Differentiation strategies
 - Allow students to use a reference card with examples of reciprocal forms.
 - Challenge advanced students to explain why variables remain as powers while some numerical expressions simplify.
- Engagement ideas
 - Turn the activity into a partner challenge where students justify each match aloud.
 - Cut apart Columns A and B into cards for a hands-on matching activity.
- Extension activities
 - Have students write three new negative exponent expressions and create matching reciprocal cards for a classmate.
 - Ask students to sort the matched pairs into two groups: numerical reciprocals and algebraic reciprocals.