

Name _____

LCD Quest Answer Key

- 1) 10
- 2) 12
- 3) 9
- 4) 40
- 5) 10
- 6) 36
- 7) 14
- 8) 24
- 9) 45
- 10) 20
- 11) 48
- 12) 66

Teacher's Guide

- Begin by reviewing that the least common denominator is the least common multiple of the denominators.
- Encourage students to list multiples or use factor trees to find the LCD.
- Remind students that they are not rewriting or adding fractions in this activity.
- Provide multiplication charts or lists of common multiples for students who need extra support.
- Challenge advanced students to explain why a smaller common denominator is not possible.
- Turn the worksheet into a partner challenge by having students justify each LCD before revealing answers.
- Extend the lesson by asking students to rewrite each pair of fractions using the LCD as the denominator.