

### Examples & Questions Examples 1

Q: What do you notice about the denominators in part (a)? Q: What do you notice about the denominators in part (b)?

# Examples 2

Q: How can you find the LCM of two rational expressions if the polynomials cannot be factored?

Q: How could the LCM of two polynomials be one of the polynomials?

# Examples 3

Q: Why would you want to find the sum using LCM instead of any other common multiple? Q: How is thinking about adding fractions with unlike denominators helpful when adding rational expressions with unlike denominators?

# Examples 4

Q: How is subtracting rational expressions similar to adding rational expressions? Q: How is the Distributive Property used when subtracting rational expressions?

### Examples 5

Q: How do you know that you are supposed to add the two rational expressions? Q: How is the table a useful tool when solving this problem?

# Examples 6

Q: What do you notice about a compound fraction that is different from other fractions? Q: Is there another method you could use to write a simpler from of the compound fraction?

# Practice and Problem Solving

Complete MathXL for School: Practice and Problem Solving (online) Complete MathXL for School: Enrichment (online)

Challenge: #30, 32, 35 – key will be posted in Power School Learning.

Lesson Quiz 4.4