Mona's lemonade

Annotation

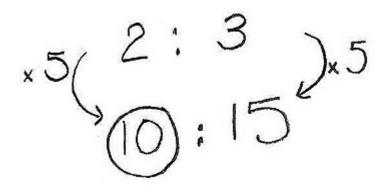
Erina can correctly express a ratio and can explain her notation. Her understanding of the proportional relationship between two quantities is evident in her recording and in her explanation.

Problem: Mona's lemonade

The teacher shows the student the following problem, reading it to them as required:

Mona is making a fruit-drink mix for a party. For every 2 cups of lemonade that she uses, she adds 3 cups of orange juice. Altogether in her mix she uses 15 cups of orange juice. How many cups of lemonade does she use?

Student Response



Teacher: Tell me about what you have written.

Well she'd use 10 cups of lemonade. The juice mix is 2 cups of lemonade to 3 cups of orange juice. I know 2 to 3 is a ratio and that I show that by writing 2:3. I know there are 15 cups of orange juice and that's five times the 3 cups. So I needed to make the lemonade five times the 2 cups to keep the proportions the same, and 5 x 2 is 10.