Sugar for jam

Annotation

Uputaua immediately responds to the numbers within this problem, seeing differences and combining these easily. She works efficiently with whole and decimal numbers to calculate a ‘start unknown’ problem.

Problem: Sugar for jam

The teacher shows this problem to the student and reads it with her as required:

Eva was making jam. She was weighing sugar from two partly used bags. When she added 0.67kg sugar from the second bag the scales showed 2.33kg. How much was in the first bag?

Student response

Uputaua:	I first thought around 1.7 and it’s actually 1.66kg.
Teacher:	Tell me how you did that.
Uputaua:	Well I could just see that 0.67 + 0.33 made 1, another 0.33 makes 1.33 and so it’s just another 1kg.
Teacher:	Why did you do it that way?
Uputaua:	The numbers kind of suggested it. I could see that those two 0.33s would make 0.66, then there’s the 1.
Teacher:	How would you record that?
Uputaua:	I’d write it the way the problem is, 0.67 + 1.66 = 2.33