

<p>Description: Clip 2 of 3: Solving problems 2 and 3 about the meaning of "fewer"</p> <p>Parent Tape: Word problems with addition and subtraction Jeff's group</p> <p>Date: 1989-03-21</p> <p>Location: Harding Elementary School – Kenilworth, NJ</p> <p>Researcher: Carolyn Maher</p>	<p>Transcriber(s): DeLeon, Christina</p> <p>Verifier(s): Yedman, Madeline</p> <p>Date Transcribed: Spring 2013</p> <p>Page: 1 of 4</p>
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Line	Time	Speaker	Transcript
1	0:00	Jeff	[Jeff reads aloud the problem for the group] There are 11 men in the room. There are 6 women in the room. How many fewer women are in the room?
2			[Jeff, Jamie and Milin are working separately counting either stones or Unifix cubes]
3		Jamie	Why do you like using the (inaudible)?
4		Jeff	I like it.
5		Jamie	(inaudible)
6		Jeff	[Jeff lines up two lengths of Unifix cubes together that are of different lengths, one representing the woman and the men, and counts the difference between the two] Five.
7		Jamie	[Jamie counts to herself using the stones]
8		Milin	[Milin stands his two Unifix towers next to each other] Five!
9			[Jeff and Jamie have a conversation that is inaudible]
10	1:43	R1	Okay, have you gone on to the second problem yet?
11		Group	Yes.
12		R1	Did you (inaudible) tell me how to solve it? You can go on, after you do the problem, you can go on to the third one, before...
13			[Jeff and Milin are writing on their papers, while Jamie is still counting her stones]
14		Jeff	It's five.

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15		Jamie	It's one, two, three, four, five, six.
16		Jeff	[Jeff explains his thought process to Jamie: he counts out the number of Unifix cubes representing the number of women] One, two, three, four, five six women. And then you go from here; (pointing to the rest of the second Unifix cube tower not matched to the six cube tower) one, two, three, four, five!
17	2:30	R1	Okay, maybe one of you can show me the eleven? Can someone show me the eleven? Now, eleven cubes or you can use eleven cubes.
18			[Jeff and Jamie disagree. All three students write on their papers.]
19	3:49	Jamie	[Jamie reads the next problem aloud to the group] Jim has 3 tennis
20		R1	Tennis balls.
21		Jamie	balls. Jim has 1 fewer tennis ball than Don. How many tennis balls does Don have?
22		R1	Okay, let's see how we're going to do that. Maybe, this time you want to use your stones for that? Jim has three tennis balls, can you show us three? And now Jim has, Jim has 1 fewer.
23	4:25	Milin	Two! (holds up two fingers)
24		R1	Oh! What does that make?
25		Milin	Two.
26		R1	He has one fewer, he has two. Okay, so Jim has three has tennis balls and Don has how many more?
27		Jeff	(inaudible) Fewer. It's two.

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28	4:40	R1	You think that's two?
29		Jeff	Yeah.
30		Milin	Yeah. It's one fewer.
31		R1	(inaudible) [Questions students about their answer]
32		Milin	Two.
33		R1	Two? You think it's two?
34		Milin	Yeah.
35		R1	Now I want you to read that problem again. Jim has one fewer tennis ball than Don. Jim has one fewer... Think.
36		Jeff	Jim has one fewer...
37		R1	Think. Just before, just before you go on to the next one. Jim has three tennis balls and Jim has one fewer tennis balls than Don. So what does that make Don?
38	5:24	Jeff	Two!
39		R1	Jim has one fewer than Don.
40		Jeff	Fewer, fewer, fewer, fewer, fewer. Four?
41		Jamie	One?
42		R1	You're on the right track. Think of what you're saying. Try to look for how many Don has.
43		Jamie	Five?
44		R1	Jim has one fewer than Don, so what does that make Don have?
45		Jeff	That makes Don have four.

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46	5:48	R1	Right, okay you think that Don has four. Why don't you show that to me? Show me the group of four. And then show me Jim's group of three. Okay, Kevin, okay Jess. Now, the question is Jim has one fewer tennis balls than Don. Let's see if Jim has three, does he have one fewer than Don?
47		Jeff	Yeah.
48		R1	So then how many tennis balls does Don have?
49		Jeff	Four.
50		R1	Oh, and how did you get that answer? What did you have to do with the three and one to get that answer?
51		Jeff	Um, I put three...
52		R1	You have to add it.
53		Jeff	I took three and put one more. So I added.
54	6:26	R1	Okay, so now we have Don with the four and Jim with the three. And now does Jim have one fewer than Don, if Don has four?
55		Jamie	Yes.
56		R1	Okay.