

Description: Clip 1 of 9: Problem 1: How many more legos does David have than John? Parent Tape: Word problems with addition and subtraction Date: 1989-03-21 Location: Harding Elementary School – Kenilworth, NJ Researcher: Carolyn Maher	Transcriber(s): Makris, Ava Verifier(s): Yedman, Madeline Date Transcribed: Spring 2013 Page: 1 of 4
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1	0:00:00	Teacher	Give packets to the group leader and she is going to give you a packet, just put your name on the packet, first and last name please
2		Gerard	And don't do anything right?
3		Teacher	First and last name please
4	0:00:28	Teacher	Alright boys and girls what we are going to do today is some word problems. Each group has a group leader. The group leader will read the problem to you and then you will have some things on your desk you will use to solve the problem. Could I have a volunteer before we start? Could you tell me what we are using? What kinds of manipulatives are we using? Sam?
5	0:00:48	Sam	Stones
6		Teacher	Stones and what else do you have on your desk that you are using? Stephanie?
7		Stephanie	Um... pattern blocks.
8		Teacher	Not pattern blocks, take a look on your desk. What are you using? What are they called? What are they called?
9		Stephanie	Unifix cubes
10		Teacher	Unifix cubes, okay so you could either use stones or Unifix cubes. Alright, group leaders you may begin.
11	0:01:20	Stephanie	David has 14 lego blocks. Paul has 5 lego blocks. How many more lego blocks does David have than Paul?
12		Teacher	Now you could use your Unifix cubes or your stones to try and solve this. Maybe you could show us David's fourteen blocks. (students each grabbing fourteen blocks)
13	0:02:51	Alice	Can you talk together about what you have and see what you've done?

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14		Gerard	(Counts blocks that are in 2 groups on desk) He has five, one, two, three, four, five (pointing to one group).. and he has nine more(points to other group) one, two, three, four, five, six, seven, eight, nine
15	0:03:06	Stephanie	Okay nine more, So you're saying take away nine and then..
16		Gerard	No, you take away five and then he has nine more..
17		Stephanie	Wait, what are you talking about? ...I think what we might have to do is add to here (pointing to fourteen blocks) to figure out how much more.
18	0:03:47	Alice	Oh I think, How did you?
19		Stephanie	(counting blocks on desk) four more! Four more? Its well wait, wait I added this to that (pointing to two groups) and my equal was four more, I had four more left
20		Alice	Can you explain what you did?
21		Stephanie	Well I don't know if its right but, I took, I subtracted a number of stones from my part here, and I put it with my five, and I came up four, and I think that might be it.
22	0:04:48	Alice	Okay Gerard can you talk about what you did and you can all work together?
23		Alice	Can you talk together about what you did?
24		Gerard	I have fourteen stones and five stones.
25		Alice	Okay what does the fourteen represent?
26		Gerard	What?
27		Alice	What does the fourteen represent? What does the fourteen stand for? Whose stones, whose Lego blocks are those?
28		Gerard	David, five is Paul

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29		Alice	Mhm. And so...?
30		Gerard	What? (looking at Stephanie)
31	0:06:20	Alice	Sean what did that mean honey? Can you show me where your...
32		Sean	(unintelligible)
33		Alice	..but that's yours..
34		Sean	I think its nine more..
35		Alice	You think its nine? Why?
36		Sean	Because, one, two, three, four, five, six, seven, eight, nine (counts unifix cubes)
37		Alice	Yeah, how did you (unintelligible)
38	0:06:40	Sean	What?
39		Alice	What did yours? Is the long, the long group David...
40		Sean	(nods head yes)
41		Alice	Is that what other people did? Okay, so there's the fourteen. Sean can you show him where yours was?
42		Sean	Fourteen and five
43	0:07:06	Alice	Fourteen and five? Fourteen and five. Okay all of you have fourteen and five?
44		Stephanie	Yes
45		Alice	Okay can you decide then what is the answer? David has how many more than Paul? How are you going to decide?
46	0:07:24	Stephanie	Well I think it would be better if we use these (holds up unifix cubes)

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47		Gerard	It should be nine, well (unintelligible)
48	0:07:41	Alice	Well you four have got to decide together as to what you do. And Sean you can be apart of deciding too.
49		Stephanie	We don't know if its, if your right. Let me read this, wait... let me read this over. David has fourteen Lego blocks. Paul has five Lego blocks. Its gotta be nine.
50		Alice	Sean what do you think? Sean can you show me what yours are?
51		Sean	Um (points to groups on desk)
52	0:08:22	Alice	Okay, so does everybody agree, that that's what it is?
53		Stephanie	Yeah
54		Alice	Okay
55		Stephanie	Yeah