

matching-quantities-and-checking-student-thinking

MIA BULJAN: And I'm wondering how you would describe what you built. How would you describe this? What's this?

STUDENT: Tens.

MIA BULJAN: How many?

STUDENT: Three tens.

MIA BULJAN: And what's this?

STUDENT: Four ones.

MIA BULJAN: Three tens, four ones. Where's the three tens in his number? Do you see three tens in his number?

STUDENT: Mm-hm.

MIA BULJAN: Do you see four ones in his number? Show us, Mark. Okay. Does this look like the picture?

STUDENT: (Nods)

MIA BULJAN: Why?

STUDENT: Because there's three tens and then there's four cubes.

MIA BULJAN: Mm. So if you change your mind do you think that this matches or do you think that it still doesn't match?

STUDENT: Matches.

MIA BULJAN: You sure?

STUDENT: Yeah because this has three...matches with that and this one matches with that.

MIA BULJAN: And do you see it in how you built it also?

STUDENT: (Nods)

MIA BULJAN: Thank you very much. Do you guys agree with him now that that matches?

STUDENT: Yeah.

MIA BULJAN: Is there anyone that disagrees with him? Sayana? I'm going to circle these, Mark, because that's what you said.

STUDENT: I agree but there's a problem. I was looking at this one and I at first I said...at first I thought...I agree that I see three on the other one that has three of four ones (inaudible)... And then I look a little bit harder and I see (inaudible)... The reason why we have to match them is because we have to (inaudible)... And for these ones matches the four and these tens matches the thirty.

MIA BULJAN: I understand what you said. Your ones match the ones, your tens match the tens and the thirty. Okay. Alright, boys and girls...Silas, what is it?

STUDENT: Uh...like all of them match because for sixteen there was six ones and there was one ten. All of them match what their picture look.

MIA BULJAN: He says everything matches with the picture. Let's just check that. Here's sixteen. Is this a picture for sixteen?

STUDENTS: Yeah.

MIA BULJAN: It matches. Check-a-roo, Silas. Here's thirty-two and here's a picture of thirty-two. Does it match?

STUDENTS: Yeah.

MIA BULJAN: Here's thirty-four and here's a picture of thirty-four. Does it match?

STUDENTS: Yeah.

MIA BULJAN: Here's eighteen and here's a picture of eighteen. Does it match?

STUDENTS: Yes.

MIA BULJAN: And then we had Diva's idea. Do we need to include this or do we have enough matchings?

STUDENTS: We have enough matchings.

MIA BULJAN: So one of the other big ideas is, once I've matched everything up I don't need anything extra either. So this was Diva's idea. She could use it instead of one of these but she can't use it with one of these. Does that make sense? Okay. Afolá, one last idea on this and then I'm going to ask you to look at a different one.

STUDENT: I was just asking if I can use the bathroom because I didn't get a chance to use it because I...

MIA BULJAN: Yes, you may.

STUDENT: Me too.

MIA BULJAN: Yes Daniel, but he was actually in here working so you're going to have to wait until he comes back, okay?