

Description: Towers with Stephanie and Dana, Clip 3 of 5: Checking for duplicates and discovering “cousin” towers Content: Harding Elementary School Researcher: Professor Carolyn Maher Tape: Towers with Stephanie and Dana Date: 10/11/90	Authors: Madeline Yedmen Verified: Robert Sigley Date: 12/07/13 Page: 1 of 5
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Line	Time	Speaker	Transcript
1		R2	How many do you have?
2		Stephanie	Seventeen.
3		R2	And you see any of them the same as each other?
4		Stephanie	Nope, we double-checked every one by going like this. (moving one tower throughout entire set of them) And the ones that matched we pushed back, and then we pushed them back forward. Dana...
5		Dana	What?
6		Stephanie	I only checked one...
7		Dana	We have sixteen?
8		Stephanie	Sixteen. Let me check another one.
9		R2	How did you do them?
10		Stephanie	What?
11		R2	How did you do them? Did you just do them?
12		Stephanie	Well we checked by going across and across and across.
13		R2	Oh I understand how you checked, but how did you build them?
14		Stephanie	Well Dana got the idea because we had to build them all straight so she got the idea of taking them and making patterns.
15		R2	Oh, show the patterns you were making.

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16		Dana	Like this one, it’s the pattern with the different colors.
17		Stephanie	Or it could be all different
18		R2	So pretty, do you think they’re anymore?
19		Stephanie	I don’t know if there are anymore that match
20		Dana	No because we used every single block and we had a lot of them too. And the ones that we had double we would take one and if we had double we would take away and eliminate it.
21		R2	You eliminated it. So how could you be sure you’re done?
22		Dana	Because we did every block that we had and these are the ones we are left with.
23		Stephanie	You know what happened when we had to start eliminating some, we were running out of blocks we didn’t have enough.
24		R2	Yeah but you have some left
25		Stephanie	Yeah, because these are the ones we eliminated. Amy came over and Amy said why don’t you check these you might have more. So we went and we checked these and there were a lot that we had to eliminate.
26		R2	Yeah, you think you’ve eliminated them all? How can you be sure?
27		Stephanie	Well I think I’m gonna check them. I’m just gonna make a pattern.
28		R2	Yeah I’m sure a pattern is really important.
29		Stephanie	Oh I know how we could check! This is how we do it. I take this one and I check then I take it and put it at the end of the line. Check check put it at the end. Check.

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30		R2	But your line is never gunna end.
31		Stephanie	Maybe if we put them back
32		R2	Otherwise you’d just be checking and checking and checking and checking.
33		Stephanie	Well I know what we could do like this. We take the first one and we check and we put it back in its spot. Until we get down to the blue red red blue. We could do that. Dana wanna do that?
34		Dana	But do we have a red blue blue red?
35		Stephanie	A red blue blue red. I think we do some place.
36		Dana	It’s right here.
37		Stephanie	Yeah red blue blue red. Okay I’m gunna check. Now these one see- multi colored. Cousins.
38		R2	You think they’re cousins, why are the cousins?
39		Stephanie	Well this one has blue on the bottom and this one has blue on the top, turn one around and they’re the same.
40		R2	I thought that you might say that this one and this one might be cousins.
41		Stephanie	Oh yeah.
42		R2	Why?
43		Stephanie	Because they have sort of the same pattern. Red one at the top and blue one on the bottom. And blue one at the top and red one at the bottom. (Back to checking) This one can go back to the beginning of the line. Okay this one can go back to the beginning of the line there is no trouble.

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44		Dana	We’re done Steph okay?
45		Stephanie	I’m just checking Dana.
46		R2	Don’t mess up your towers because you’re going to save them to share. But can you each fill out and see if you understand and agree with these questions.
47		Stephanie	(checking) hey, I just figured out something too. Okay they’re all nice. Now I have to fill out these forms. How many towers did your group find? Sixteen. We made patterns. Dana why don’t we see if we got the same answers now. Are you done? I’m done.
48		Dana	Yeah the sentences may be a little different how we explained them.
49		Stephanie	For the first one, sixteen?
50		Dana	Yeah
51		Stephanie	Second one, yeah?
52		Dana	Yeah.
53		Stephanie	Okay now you do the third one and read your answer and I’ll do the third one and read my answer.
54		Dana	Third, we used all of our block and we eliminated the ones that matched.
55		Stephanie	I put because we kept checking the towers.
56		Dana	Okay, that’s enough. We used all of our blocks and we had matches and the ones that matched we eliminated.
57		Stephanie	I put, we made patterns and eliminated the ones that matched.

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58		Dana	Well we said the same.
59		Stephanie	Lets give ourselves an “A”
60		Dana	No they want it!
61		Stephanie	I’m just giving myself an “A+”