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Description: Towers Group Sharing, Clip 2 of 6:
Guessing how many towers can be built three
cubes high
Content: Harding Elementary School
Researcher: Professor Carolyn Maher
Tape: Towers Group Sharing
Date: 10/11/90
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Authors: Madeline Yedmen
Verified: Robert Sigley
Date: 12/07/13
Page: 1 of 5

| Line | Time | Speaker | Transcript |
| :---: | :---: | :---: | :---: |
| 1 | 00:00 | T | Okay, I'm going to ask all of you to think for a minute. I want you to think really hard and see if you can imagine. Suppose instead of towers that had four cubes, you could only have three cubes in each tower. Do you think there would be more towers or do you think there would be fewer towers? What do you think? This means, if you have only three box in each tower, you think there would be more towers than sixteen or do you think there would be fewer towers than sixteen? What do you think? |
| 2 | 00:49 | Student (boy) | There would be more towers. |
| 3 | 00:50 | T | You think there would be more towers than sixteen with just three cubes? How many do you think there would be? |
| 4 | 00:59 | Student (boy) | Nineteen. |
| 5 | 00:59 | T | Nineteen? Why do you think there would be more? |
| 6 | 1:06 | Student (boy) | (inaudible) |
| 7 | 1:09 | T | That would be more? What do you think Brian? |
| 8 | 1:10 | Brian | Because there are fewer numbers of blocks. |
| 9 | 1:16 | T | So you think there would be more than sixteen or fewer than sixteen? |
| 10 | 1:21 | Brian | More. |
| 11 | 1:22 | T | You think there would be more, also. What do you think? |
| 12 | 1:26 | Student 2 <br> (girl) | I think it would be less towers. |

$\left.\begin{array}{|l|l|l|l|}\hline \begin{array}{l}\text { Description: Towers Group Sharing, Clip 2 of 6: } \\ \text { Guessing how many towers can be built three } \\ \text { cubes high } \\ \text { Content: } \\ \text { Researding Elementary School } \\ \text { Tape: } \\ \text { Towers Group Sharing }\end{array} & \begin{array}{l}\text { Authors: Madeline Yedmen } \\ \text { Verified: Robert Sigley } \\ \text { Date: } \mathbf{1 2 / 0 7 / 1 3}\end{array} \\ \text { Page: } \mathbf{2} \text { of 5 }\end{array}\right]$

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| 26 | 3:06 | Student 4 (boy) | But at the same kind of patterns but fewer numbers. |
| :---: | :---: | :---: | :---: |
| 27 | 3:13 | T | Why do you think the same kind of patterns? |
| 28 | 3:15 | Student 4 (boy) | Because same kind of patterns we have there at four but ... |
| 29 | 3:28 | T | What do you mean by the same kind of patterns? |
| 30 | 3:31 | Jamie | Because, well, there are four here. Because these are all red, and if you take one away, and it's the same pattern and it only has three blocks. |
| 31 | 3:44 | T | That's another way of doing just three. Can anybody think of another way? We add one from (inaudible). Let's keep that one (inaudible). A red, okay, and one red and three. Can anybody come up with another one that is just three and different from that? Stephanie and Dana what would be one that is different from what Jamie has? |
| 32 | 4:17 | Stephanie | Well, this one. |
| 33 | 4:24 | T | What is it? What does it look like? |
| 34 | 4:25 | Stephanie | Well, let's see. It's got red blue and red. |
| 35 | 4:30 | T | Okay, so this one is all red and that one is red blue and red. Can you come up with one that is different from these? |
| 36 | 4:42 | Jeff | Like that. |
| 37 | 4:44 | T | Okay, a red, a blue, and a blue. What about you? |
| 38 | 4:51 | Student 5 (boy) | Blue, blue and red? |
| 39 | 4:54 | T | So there are some of them. How many do you think there is going to be? I will let you think for a little bit. This is just a guess and I want it to be a good guess. I want you and your partner to talk to each other for a minute. And every single group has to come up with a guess. Okay? So I can write on |

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48 Another teacher talks about what Michael did.

