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| Description: Clip 2 of 2: Extending the problem with additional pairs of jeans Content: Shirts and Pants with Stephanie and Dana Researcher: Amy Martino Date: 1990-10-11 | Authors: Madeline Yedman Verifier: Dasom Lee Date: 2014-05-05 Page: 1 of 3 |
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| Line | Time | Speaker | Transcript |
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| 1 | | Stephanie | We're done with this |
| 2 | | R1 | You're all done? Okay, people are still recording these, so you still hold those okay? Can I ask you a question? |
| 3 | | Dana | Yeah |
| 4 | | R1 | You know what I'd like you to try on the back while we're waiting? What if I now gave you all the same clothes, but I also gave you another pair of jeans. A black pair of jeans. See if I can find out how many outfits with three different color shirts... |
| 5 | | Dana | It would be twelve. |
| 6 | | R1 | Well lets see. |
| 7 | | Dana | Like everything goes with black. Cause six plus six is twelve. |
| 8 | | R1 | Well do it and see okay? Remember so you got the same three shirts and the same two pairs of pants but now you got a new pair of pants for Christmas. You got a black pair. |
| 9 | | Stephanie | Now what were the colors of the shirt? White, black, yellow. |
| 10 | | Dana | It's gunna be twelve. It's gunna be twelve. |
| 11 | | Stephanie | White, black, wait blue, and yellow. And then we have white, blue and black. Okay lets see. White, (inaudible) and nine, Dana it's nine! |
| 12 | | Dana | Okay. |
| 13 | | Stephanie | No Dana first I want you to figure it out, we may get different answers. Look, see you got white, white, and white. |

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| | | | That's three. Then yellow, yellow, and yellow. That's three that's six. And then blue, blue, blue, that's nine. |
| 14 | | Dana | That only makes, one, two, three, four, five, six. And then we add...it's nine. |
| 15 | | Stephanie | So Dana your calculations were wrong. The answer is nine. Okay Dana for the second problem I get to write okay? |
| 16 | | Dana | And I get to draw. |
| 17 | | Stephanie | Because if you can get three from each one of these? We did it, it's nine. |
| 18 | | R1 | How did you get nine? |
| 19 | | Dana | We just drew lines again. |
| 20 | | Stephanie | See we drew shirts, and since each one of them can go to three pairs of jeans, three, six, nine. |
| 21 | | R1 | Oh, three, six, nine. |
| 22 | | Stephanie | Because there are three pairs and shirts and three pairs of pants. If each shirt could go to three pairs it would be three, six, nine. Three on top, three on the bottom. |
| 23 | | R1 | Oh I see. What do you think if you had four pairs of jeans? What would happen? Think about it, you don't have to do that one. |
| 24 | | Dana | You would have to do this one like four. Like three, six, nine, twelve. It would be twelve. Three, six, nine, twelve. |
| 25 | | R1 | You think so? You're convinced? |
| 26 | | Stephanie | Is twelve your lucky number Dana? |
| 27 | | Dana | What? |

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| 28 | | Stephanie | Is twelve your lucky number? |
| 29 | | Dana | Yes |
| 30 | | R1 | She likes twelve. Okay well then you two just sit tight then. We are going to get started in a minute and we will share some of these. Okay? |
| 31 | | Stephanie | |