

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
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	