

<b>Description: Early Algebra Ideas Involving One Variable: Clip 7 of 11, Beginning to Recognize "Secrets"</b> <b>Parent Tape: Early Algebra Ideas Involving One Variable</b> <b>Date: 1993-09-30</b> <b>Location: Harding Elementary School</b> <b>Researcher: Robert B. Davis</b>	<b>Transcriber(s): Spang, Kathleen</b> <b>Verifier(s): Yedman, Madeline</b> <b>Date Transcribed: Fall 2010</b> <b>Page: 1 of 6</b>
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Time	Speaker	Transcription
	Davis	Well, now, I want to right down a problem and see if somebody can tell me right away what the answers are.
	Bobby	Right away.
	Davis	Right away.
	Bobby	Why right away?
	Romina	Number three.
	Davis	I am going to sneak it in here okay. This was number two.
	Jeff	It's not gonna fit. I told you. It's not as big as usual.
	Ankur	Hey, stop looking at [inaudible].
	Student	Hey, what are you doing, number four?
	Ankur	Wait till everyone sees it.
	Michelle I	Brian's just off in his own world.
	Stephanie	Brian is like going crazy.
	Jeff	Brian is rotating around his body. Revolving around his body.
	Davis	I'm gonna write [Off camera: Davis wrote $(x) - (102x) + 200 = 0$ ] I'm gonna right a 102 here and gonna write 200 here. Tell me right away what is one of the numbers that will work.
	Stephanie	Oh good grief.
	Student	Two.
	Davis	Two.
	Matt	Good question.
	Davis	Would you put up your hand if you think he is right?
	Jeff	How about a hundred.
	Davis	He says right away that two will work and Jeff says a one hundred will work.
	Jeff	I'm just guessing actually.
	Brian	Oh my God! Bobby is right.
	Davis	Hum, do you think that.
	Ankur	I know why.
	Student	I said two.
	Ankur	I think I know why.
	Brian	Oh my God! Bobby is right.

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Student He is right. He is right. He is right.  
Ankur I know why. I think I know why.  
Davis If you've got a secret are you gonna tell or keep it a secret.  
Brian Oh me!  
Michael Don't keep it a secret. Please.  
Jeff I don't like kids who keep secrets.  
Michael I hate secrets. Confide.  
Milin No, I'm keeping it a secret.  
Davis I think that's a good idea. Let's keep it a secret.  
Michael No  
Stephanie No, that's not nice.  
Davis That's not nice.  
Michael That's not nice.  
Davis Well I know some people who would say it would not be nice if we told because it's fun to discover secrets and if we tell you then you can't ever discover it.  
Jeff Yeah, but if, say we don't tell you then somebody else discovers it then you get no recognition for discovering it.  
Michael Yeah.  
Michelle I Like that guy before Columbus.  
Davis Well, yeah, hey that's a good idea. You can come down here and whisper it to me. Come and whisper it to me if you think there's a secret. [Off camera: Ankur walks over to Davis. With his hand over his mouth and begins to talk in Dr. Davis's ear. Davis leans in closer to Ankur] hum, okay. I don't want to bet on that but [inaudible] that might be a good idea. That's a good idea. It might or might not work. Anybody else think they know a secret?  
Stephanie Good grief.  
Brian I know number eight. I know number eight. I know number eight. I know a second one for number eight.  
Jeff I don't know yet. I'm thinking too hard.  
Michael I'll whistle until I die.  
Davis Does anybody else think they know a secret?  
Student No.  
Brian I know an answer for number eight to get the second one.  
Stephanie No.

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Michelle I It's eight.  
Jeff It's eight. I think I know the second answer for.  
Brian I know the second answer to eight.  
Davis You know the second answer to eight.  
Brian Yes.  
Davis What's the second answer for eight?  
Brian I think it's eight.  
Jeff It's eight.  
Student Eight times eight.  
Milin Bobby already yelled that out.  
Romina Seven is ten. Seven is ten.  
Milin Bobby already yelled that out.  
Davis Okay. Has anybody checked that?  
Student No.  
Student Yes.  
Michael Tell us the answer.  
Romina Brian I told you.  
Jeff Brian you're wrong. Your answer is wrong to the problem you just out in.  
Bobby Yeah it is wrong.  
Brian What eight?  
Jeff Yeah eight.  
Davis Hum, okay. Now let me try another one because maybe Ankur has a secret and maybe Bobby has a secret and maybe Jeffrey has a secret even though he says he hasn't. Hum, let me try to make one and see if you can do it right away. I'm gonna erase this I think.

Michelle I It doesn't work.  
Jeff I have a secret but I'm not gonna tell anyone.  
Student Neither am I.  
Brian Look. Look.  
Jeff I know that one hundred and two.  
Michael I'll whistle until I die.  
Brian Oh, I know the answer for number nine.  
Jeff But I don't want to make a total fool of myself and look like a moron.  
Stephanie You are a fool, you are going to make a fool of yourself

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anyway so why not just tell it, really?  
 Davis Uh, okay...okay let's try this.  
 [Off camera: Davis writes (  $x$  ) - (  $14x + 33 = 0$  )]  
 Okay. I wrote a fourteen there and I wrote a thirty-three there. Is anybody prepared to tell me right away what number will work?  
 Student No.  
 Jeff Seven.  
 Student No.  
 Jeff No.  
 Davis Brian  
 Brian Oh wait. What for number eight?  
 Student Two. Two.  
 Jeff Two.  
 Student That's wrong. That's wrong.  
 Matt I have two in every single one.  
 Romina Wouldn't it be one of them, three.  
 Jeff Three.  
 Davis Romina says three.  
 Romina And eleven.  
 Davis Have you got a secret?  
 Brian I know.  
 Romina Sort of yeah.  
 Davis Don't tell.  
 Brian I know, I know the pattern and stuff.  
 Michael Does it have to be like a multiple?  
 Jeff I know one without a number.  
 Michael Just tell us the answer.  
 Stephanie Oh good grief.  
 Student I know.  
 Jeff I am on the verge of discovery. Did you see that commercial [inaudible].  
 Student I know number two.  
 Romina Three and eleven.  
 Milin I know. I know the secret.  
 Brian I am the first one to know the pattern thank you. This is one.

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Matt I know the answer for number two.  
 Brian I got it right when he told it.  
 Student I got it right when I whispered it to him.  
 Bobby Eleven.  
 Davis Bobby says eleven. Anybody check that yet? Matt.  
 Matt It works. I think I know the secret though. Isn't it [inaudible].  
 Michael What is the secret?  
 Davis I'll tell you what you can do. Whisper it into the microphone here. Okay. Yeah.  
 Jeff Whisper, whisper it into the microphone.  
 Michael I got another secret.  
 Jeff You do.  
 Stephanie I got it. This is good. This is good.  
 Jeff I have it too so.  
 Stephanie This is good. No it's just like I am happy now.  
 Jeff Mary Poppins.  
 Romina Brian is it?  
 Stephanie He is not telling.  
 Ankur I got a different one.  
 Brian Oh, you got a different one.  
 Student I heard you say something multiples.  
 Davis Okay, can I get a vote? How many of you think you know a secret?  
 Jeff Well, I'm sort of sure that I know it but like I don't want to make a fool of myself because if I am wrong.  
 Davis Anybody else want to whisper the secret into the microphone?  
 Michael I want to tell it.  
 Ankur I've got another one for number two.  
 Michael The multiples of the number.  
 Romina I got the same ones that Brian has so.  
 Student Eleven.  
 Student You already said that.  
 Michael Speak into the microphone.  
 Michelle I Which one is the one with the numbers?  
 Jeff The second one.

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Matt                    The other one for seven is ten. The other one for [inaudible] is thirteen.  
 Davis                    Brian and I have the same secret and quite a few other people do too.  
 Romina                    Don't tell him the secret Amy.  
 AmyLynn:                I know. I know.  
 Student                    I know the secret.  
 Jeff                        No because I think I know. Is the second answer right?  
 Matt                        No, the second answer. I found out the second answer to all of the other ones. The second answer for number two is ten.  
 Davis                        You've found a second answer for all of the other ones. What's this?  
 Student                    We know all of them.  
 Ankur                      That is ten. Seven is ten.  
 Student                    We know that.  
 Davis                        What's this?  
 Matt                        Thirteen.  
 Student                    We know all of them.  
 Davis                        That's thirteen. [For #4 the two answers are {2,13}]  
                                   What's this?  
 Student                    We know all of them.  
 Matt                        One.  
 Michael                    How did you get it?  
 Davis                        One. [For #5 the two answers are {5,1}] I agree with all of that and so I'm pretty sure you have got the secret because you did all of those. You've got the secret too.  
 Michael                    I don't got the secret.  
 Brian                        The first one [inaudible].  
 Michael                    Tell me or die.  
 Davis                        Okay. I'm going to make up this problem here.