

**Description: Guessing Yonny and Brandon's rules
Parent Tape: Early algebra: Investigating linear
functions, Series 1 of 7: Guess My Rule introduction
and Ariel and James with problems 1-3Location:
Frank J. Hubbard Middle School – Plainfield, NJ
Researcher: Carolyn Maher**

**Transcriber(s): DeLeon,
Christina
Verifier(s): Yedman, Madeline
Date Transcribed: Spring 2009
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Time	Speaker	Transcription
0:00	R1	Let's try another one, okay? Alright, is everybody ready?
0:05	Yonny	Okay, pick a number.
0:07	Brandon	Oh, oh! Me, me, me! One!
0:12	R1	Okay, so does everyone see that when there is a one... [Yonny has written a square/triangle chart on the overhead with 1 in the square column and a 15 in the corresponding triangle column]
0:15	Brandon	Oh, I know your rule already.
0:16	Yonny	What?
0:17	Brandon	By fifteen.
0:18	Yonny	Nope.
0:19	Brandon	Oh, darn it!Sike, I don't know.
0:23	Yonny	Do another one.
0:24	Christian	I don't know, I don't know.
0:26	Ariel	Two! Two! Two!
0:27	Brandon	Two, yeah let's do two! Let's do it in a row. Do it in a row. [Yonny writes a 2 in the square column and a 25 in the triangle column]
0:31	Ariel	We get forty-five? Oh, two, yeah yeahyeah, two.
0:31	Brandon	Oh, go three! Go three! Go three! But, why your by so big, my dude? Oh I almost got, I think I get his rule.
0:39	Dawud	Nah, go three.
0:40	Brandon	No, go four! I mean, go to three, and then switch it up. This is something like five.
0:43	R1	Okay, hold on. Now before you write down 3, what do you think it's going to be? [Yonny writes down 3 in the square column and 35 in the triangle column]
0:47	Brandon	I think it's going to be by ten, I meant, by ten.
0:50	Ariel	By ten.
0:52	Brandon	No, it's not by ten. It can't be by ten because he started off with 15.
0:57	Ariel	Yeah, that's true, yup.
0:58	Brandon	So, I think it is...
0:58	Dawud	It's fifteen...Let me think a little while...
1:01	Brandon	I think it's, I think it's... [unclear]
1:03	Dawud	No, no, no. Go four, go four, go four. Go four.
1:07	Christian	Stop drawing it so fast. You're doing it too fast.
1:10	Dawud	Forty-five, forty-five.
1:12	Ariel	Oh, I know what's next. You're just, you're just putting a five at the end of each number.
1:15	James	No, it's fourteen, then it's thirteen, then it's twelve. [Everyone is talking over each other]

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1:20	James	It's fourteen, then it's twelve. I mean, two to twenty-two, then it's...
1:21	Brandon	I know the rule! I know the rule, now. It's by five.
1:23	R1	Okay. Everyone, hold up, hold on. Think of a rule that will produce what you think the number for four [unclear] okay?
1:23	Brandon	It's by five. It's by five. It's by fifteen. I think the rule...
1:30	Christian	Oh! I know the rule! [jumping up and down]
1:33	R1	Sit down, sit down.
1:34	Christian	I know the rule! The rule is, like, basically you got the same thing. You get, you doing the same numbers, like: 1,1 2,2 3,3 and you just adding five to the same numbers. You put forty, I think the next number you going to put is forty-five.
1:51	Yonny	Yes.
1:52	Christian	See? Exactly, I'm too smart.
1:53	R1	Okay, but the, his rule... One, one second, hang on.
1:55	Brandon	Oh, snap! I get it... Yea, I know the rule now.
1:59	R1	The rule is you're using some operation to get the number. Okay? You got to think, what is the operation that he is using to get the number.
2:09	Ariel	He's just putting a five at the end of the number.
2:13	Christian	I know, basically, you put a five at the end of each number.
2:15	Brandon	Times ten!
2:15	Christian	Times ten! [Both Christian and Brandon say, 'times ten' multiple times to R1 and Yonny]
2:21	R1	Okay, so does that work?
2:21	Brandon	Times ten.
2:22	Yonny	That's half of it.
2:23	Christian	Times five.
2:24	R1	Does that work?
2:24	Brandon	Times ten divided by five!
2:26	Christian	Times ten divided by five.
2:27	Yonny	No.
2:28	Christian	Times ten, times ten... times five.
2:29	R1	Okay, try it out. See whether or not your rule... see whether it works.
2:31	Christian	Times ten plus five.
2:32	Brandon	No.
2:33	Christian	Yea, bud, yea! Give me that marker.
2:35	Brandon	Times ten what?
2:36	R1	Yup, did he get it?
2:37	Yonny	Yea!

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2:38 Brandon Times ten what? Plus five?
2:38 R1 Okay, okay. Hold on, hold on, hold on. What, what...
2:42 Brandon Yea! [Brandon congratulates Christian]
2:43 R1 Tell him what, tell them what the rule was.
2:43 Yonny Times ten plus five.
2:44 Brandon That was easy!
2:45 Christian It's five, ten...
2:45 Yonny It's times ten plus five.
2:47 Brandon Oh, that was easy! I should have know that...
2:48 R1 Could you have a seat? [saying this to Yonny] Come, we're
going to make a rule. [gesturing to Christian] Okay, we're going
to do one more before we have you work on some of these
problems. Okay, let's see if you get them.
2:55 Christian I say whoever is talking [unclear] he's just stalling, yo.
2:56 Brandon Oh, I want to do one more.
3:00 R1 Do you want to fill out the chart? [talking to Christian]
3:00 Brandon Alright, alright. Let's go, Chris! Let's go, Chris!
3:04 R1 Okay, Chris is going to give you one number and he is going to
show you what you get. Chris?
3:10 Christian Alright, I'm about to put the number, guys.
3:12 James But, you don't get one.
3:13 Brandon You said if he... No, erase that, put one.
3:15 Yonny Put a triangle two...[clip was cut off]
3:16 Brandon You go to put...[clip was cut off]
3:17 R1 Alright, does everyone see what happens to ten?
3:20 Brandon Yea, times two.
3:22 R1 So, put down another number. What number do you want to try
now?
3:24 Brandon Oh, two, two, two!
3:25 Ariel Two, two.
3:27 Brandon Hey, hold on, wait. Be quiet, I think I know this.
[Christian writes 20 first and then corrects it, so there is a 2 under
the square column after 10]
3:30 Brandon No, two! Not 20! 2! Not 20.
3:34 R1 Okay, don't put the answer yet. [speaking to Christian]
3:35 Yonny It's ten.
3:36 R1 What do you think the answer is going to be?
3:37 Brandon Four! Four! Four! Four!
3:38 Dawud Oh, let him finish. Go, go, go! [talking to Christian who is
writing down the answer for 2]
3:42 Ariel It's got to be easy, cause he finished to quick.
[Christian writes under the triangle column 4, the answer for 2]

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3:44 Brandon Times, times four! Times, times two! Times two!
3:45 Dawud Ten, times ten, times two!
3:49 Brandon I said it before ya'll.
[Everyone is shouting out an answer]
3:51 Dawud Times two! Times two! It just times it like, times it like...
3:53 Ariel Times two.
3:54 Dawud Times likes four...
3:56 Yonny Times two take away two. I mean, times
3:58 Brandon No, it's times two.
4:00 Dawud Times two times plus two.
4:01 James Ooooooo.
4:02 Brandon Times two, times two. I said that when they had the ten.
4:08 Dawud Hahahaha, what is that? That's twelve?
[Christian changes the two under the triangle column to a twelve]
4:11 Brandon Why you switch it up, man? Oh, I know it anyways.
4:14 Christian What is it?
4:15 Brandon Plus ten!
4:15 Dawud Plus ten!
[The answer is 'plus ten' and Brandon goes up to the overhead.
The video cuts to another clip.]
4:20 R1 I said this was going to be the last one and then we're going to
work in pairs on some other 'Guess My Rule' problems. And
then we'll hand it out to you on paper, okay?