

Description: Preparing to present Guess My Rule ideas Parent Tape: Early algebra: Investigating linear functions, Series 1 of 7: Guess My Rule introduction and Ariel and James with problems 1-3 Location: Frank J. Hubbard Middle School – Plainfield, NJ Researcher: Carolyn Maher	Transcriber(s): DeLeon, Christina Verifier(s): Yedman, Madeline Date Transcribed: Spring 2009 Page: 1 of 3
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G2 [in the background] You can take five minutes to write down what you have found yesterday and will get together and share our rules and ways of finding the rules.

[Ariel is removing papers from the folder that contains the previous day's work. He gives some papers to James.]

Ariel [handing some papers to James] There you go.

[Ariel is writing on a transparency.]

G2 [coming near Ariel] How many rules did you guys do?

Ariel Three.

G2 [going around to James] James, Ariel is writing this number three, can you write the other?

G2 [talking to James] [inaudible]

[James takes a blank transparency. Ariel continues to write on the transparency.]

[Ariel has drawn the following table on the transparency:

X	Y
0	1
1	4
2	7
3	10
4	13
5	16
6	19
7	21
8	24
9	27
10	30
11	33
12	36
13	39
14	42
15	45
16	48
17	51
18	54
19	57
20	60
21	63
22	66
23	69
24	72]

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[James is creating a table for a Guess My Rule problem. He has written the following table on paper:

X	Y
0	9
1	12
2	15
3	18
4	21
5	24

- James [showing to Ariel the table that he has drawn] Can you find out this rule? Guess my rule.
- Ariel [inaudible] I will get it.
[Ariel takes the writing pad with the paper from James.]
- Ariel [looking closely at the paper and pointing with his pen] That's a nine?
- James [continuing to look at his computer screen] Huh?
- Ariel That's a nine?
- James Yeah, right here.
- Ariel [continuing to look closely at the paper] This is pretty easy.
[G1 comes near to Ariel's table.]
- Ariel Got it.
- James What is it?
- Ariel It is times two ... [pauses] no, it is times three plus six.
[James smiles. Ariel gives back the writing pad and the paper to James.]
- Ariel [taking the transparency on which he has written the table] What this? I have written what I did yesterday? Are we supposed to write all the rules?
- G1 [pointing to something in the table that Ariel has written on the transparency] How you got this?
- Ariel Four times three is twelve.
- G1 Can you explain that?
- Ariel [inaudible] [pointing with his pen and mumbling some numbers]
- G1 OK, let me understand what you did. Four times ...
- Ariel Three.
- G1 Three. What is that?
- Ariel Four.
- G1 OK, then?
- Ariel Plus one is thirteen.
- G1 [pointing to something in the transparency] How did you get this?
- Ariel Six times three is eighteen plus one is nineteen.
- G1 Can you explain me this?

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- Ariel Huh, what? [pointing with his pen to the line which has 7 in the X column] This one?
- G1 Yeah.
- Ariel Oh, seven ... oh, I messed up. No wonder, that's why. Yeah, I messed up. This is twenty-two.
- Ariel And this is supposed to be twenty-five. Wait a minute. Yeah, that is supposed to be twenty-five.