Student 1

Multiple Representations of Linear Functions

Stardollars Coffee hosted a coffee-cup-stacking contest. Anthony noticed a pattern. He told the judges that Figure 100 would have 203 coffee cups stacked up. Was he correct? Use mathematics to prove or disprove Anthony's claim.

- Include a table, a graph, and a rule (equation) in your solution.
- Justify your solution.
- You need to explain how the table, graph, rule, and the figures prove or disprove Anthony's claim in your justification.







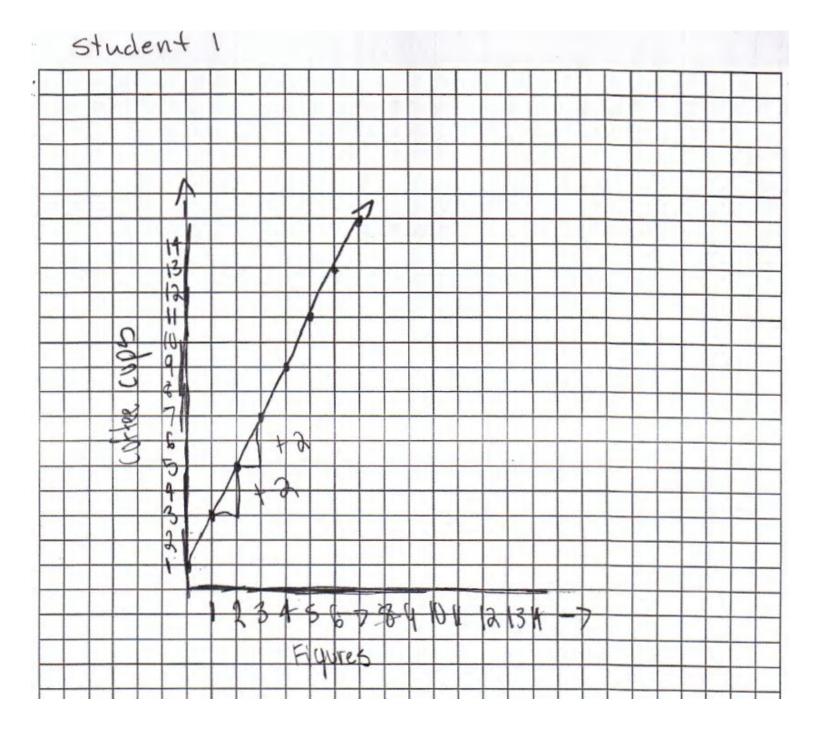
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correct in his claim that by figure 100 he An MONIL NIG Coffee was He 203 was right because have MOULY I there were 3 (C's and in figure ? there were tiuwe in pattern continues increasing by 2 each If this CUS. etc. the 100th Figure you would have 203 C'S. T HMLE plugged 100 as x into my my result of 2103. Which at my because T MAUN and dot RUNDAUN notice that up every dot there ave 2 blocks in between, this also tells me that the pattern increas 15 my table you subtract 2 each time and with 203. My table, graph, and end up Eventually me my tinthony's my equation all show



Student 2

Multiple Representations of Linear Functions

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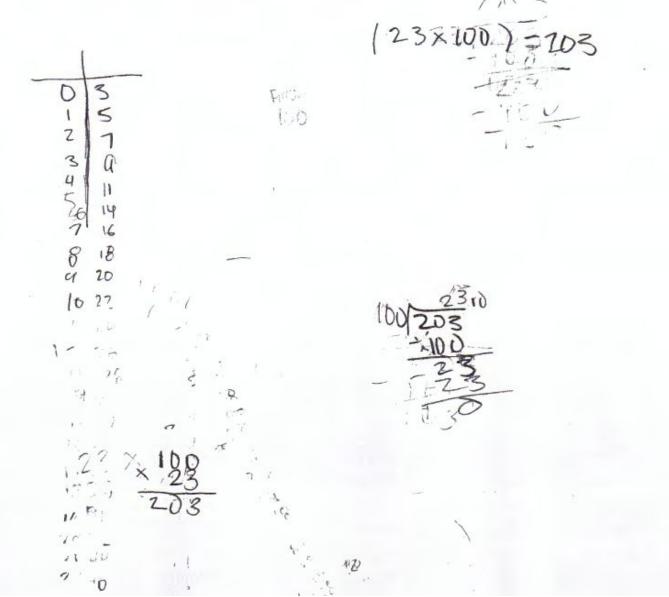


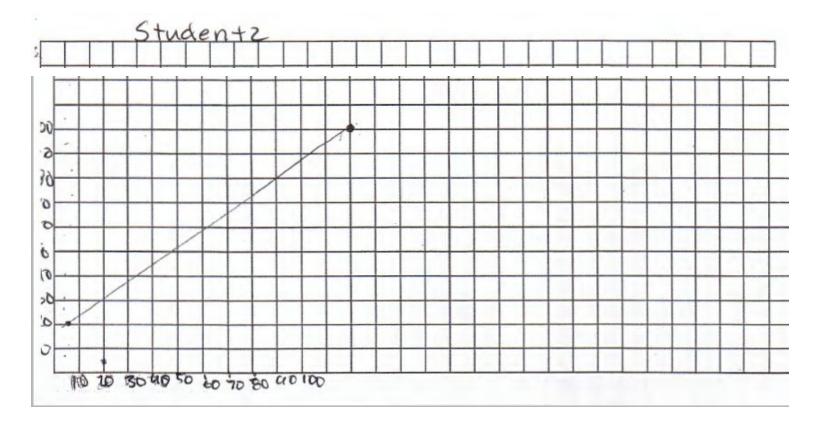


Figure 1

Figure 2

Figure 3





Student 3

Multiple Representations of Linear Functions

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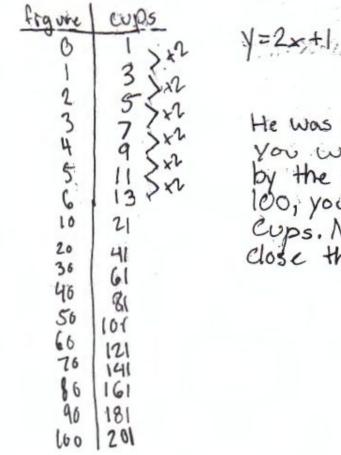


Figure 1

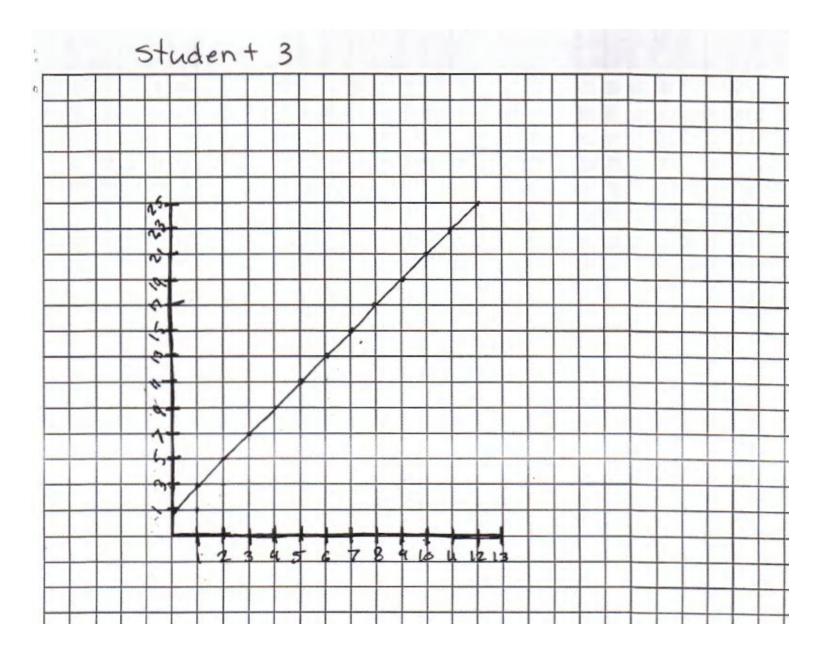




Figure 3



He was incorrect. By every 5 figures you would have added 10. And by the time you get to figure ... 100, you would have 201 coffice Cups. Not 203. It was pretty close though.



Student 4

Multiple Representations of Linear Functions

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Figure 1





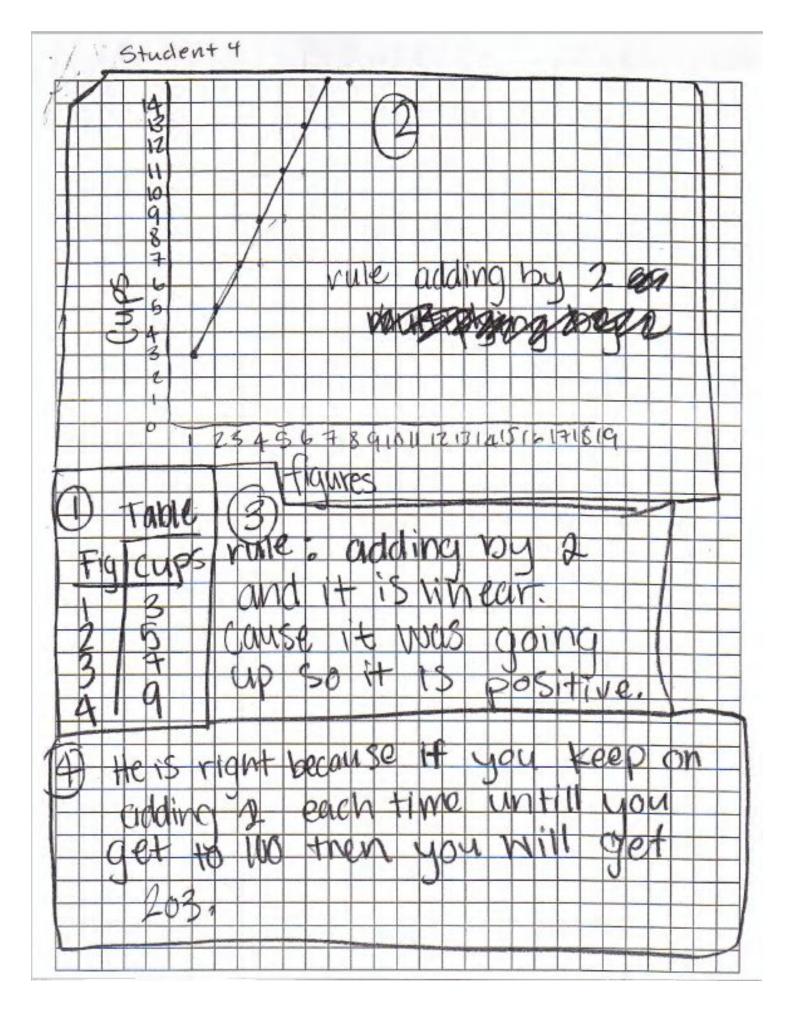


Figure 3

Figure a

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Authony is



Student 5

Multiple Representations of Linear Functions

Stardollars Coffee hosted a coffee-cup-stacking contest. Anthony noticed a pattern. He told the judges that Figure 100 would have 203 coffee cups stacked up. Was he correct? Use mathematics to prove or disprove Anthony's claim.

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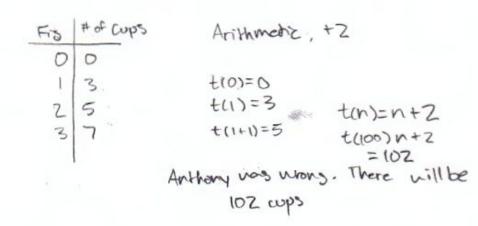




Figure 1

Figure 2

Figure 3



No Graph for Student 5

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