# Determining What Students Are Thinking- Part 1 

| ALEXANDER: | We decided why we have to put it on one, because that's our y- <br> intercept. |
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| JORDYN: | Because in our equation, we put 5x plus one. |
| ALEXANDER: | And so if you actually model it, it's your one. |
| NEVAEH: | Wait, what was your equation again? |
| ALEXANDER: | Sx plus one. |
| NEVAEH: | So if you were to model it, you put the one toothpick and then you <br> add five and then keep adding five and then keep adding five, <br> because that's our slope. And we could use a six as our y-intercept, <br> but that's for another equation. So both of them would be right. But <br> with our equation, yeah, that would be wrong-- |
| ALEXANDER: | Could you write that equation? You're saying that it's possible to <br> start with six. |
| MATTHEW HARMON: |  |
| ALEXANDER: | She had that equation. |
| MATTHEW HARMON: | Oh, there it is. |
| JORDYN: | I have y equals plus five, parentheses, x minus one. |
| MALTHEW HARMON: | OK. So starting value for this one is what? |

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[^0]:    Retrieved from the companion website for The Five Practices in Practice: Successfully Orchestrating Mathematics Discussions in Your High School Classroom by Margaret (Peg) Smith, Michael Steele, and Miriam Gamoran Sherin. Thousand Oaks, CA: Corwin, www.corwin.com. Copyright © 2020 by Corwin Press, Inc. All rights reserved. Reproduction authorized for educational use by educators, local school sites, and/or noncommercial or nonprofit entities that have purchased the book.

