Elementary Mathematics Laboratory for incoming fifth graders Park City Mathematics Institute Tuesday, July 11, 2006

## Seating Arrangement

Jessica								Maddie
Ally								Cozy
Sabrina								Holly
Paige								Luke
Tori								Arthur
Brianna								Britney
David	Vinnie	Rebecca	Sarah	Ben	Trevor	Michael	Sean	Autumn

1 Teacher: Who else got three for an answer? Sarah?

2 Sarah: Sean.3 Teacher: Who?4 Sarah: Sean.

7 Teacher:

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10 11

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5 Teacher: Sean. Now, where's Sean's drawing?

6 Sarah: Down there.

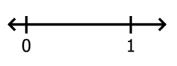
Right there. So, they both arrived at the answer of three, but in a different way. And what this-Between Paige and Autumn together is a little bit harder to see. But, if you take one-eighth of one equal part, and then one-eighth of the next equal part and one-eighth of the next equal part, you've taken one-eighth of the whole thing. This is probably the easiest way to see it, because he took the twenty-four and made eight equal parts out of it. But that's very interesting, these different things that people tried to do.

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Problem:

Teacher: ... With the number line and the group of circles, I want you to show what one-eighth means in each of those.





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