

# Exploring Students' Problem-Solving Approaches

- 1 [Exploring Students' Problem Solving Approaches]
- 2 [Jennifer Mossotti's eighth graders work on the State Fair Task]
- 3 Crispin: After entering the fair, here you decide to buy four ride tickets. What will be your  
4 total cost for attending the fair? How do you know? So what do you think about  
5 the question?
- 6 Well it's obvious that they are going to buy four tickets. And well we know that  
7 they're going to buy four tickets. It's just that what we're trying to find out is what  
8 the total cost is. So if you look at the previous amount that they spent on, you see  
9 that here, when they spent \$13 I'm assuming, at the fair that matched up with 10  
10 tickets. So then when you look at when spent \$8.00 it turned out to be \$12.00. It  
11 turned out they spent \$8.00. They bought eight tickets for the rides. So then you  
12 see that there's kind of a pattern going on. You see?
- 13 Nazier: Mm hm.
- 14 Like, if you were to make it go like that. Then there's kind of like a pattern going  
15 on so. What I think is that they might have spent \$10 for four tickets.
- 16 Nazier: I think that goes right here.
- 17 Nietzsche: There's \$8.00. \$8.50. \$1.00. \$1.50. \$2.00. \$2.50.
- 18 Ejub: Yeah. No because this is what I did. Because since-- if it was \$0.50 for everyone.  
19 You know, like \$0.50. So I was just doing \$50, \$100, \$150, \$200. \$250. \$300.  
20 \$350. And it'll all lead up to--
- 21 Nietzsche: Because the difference between this and that is that is \$3.50, so they must have  
22 spent – He spent \$3.50 on a ticket. So now we know how much entry fee is and  
23 how to do the math.