

Advancing Students Thinking

1 [Jennifer Mossotti uses advancing questions to help her eighth graders move forward on the State
2 Fair Task]

3 Mrs. Mossotti: So I agree that it does increase. How can you tell the graph of the cost is
4 increasing again?

5 Daejhor: It went up.

6 Mrs. Mossotti: What do you mean it's going up? But what did you say? Do you say the
7 same exact thing?

8 Daejhor: Yeah. [Unitelligible] For one ticket apparently it's \$8.50. But when you
9 add all that up it's \$34.

10 Mrs. Mossotti: Where would 34 be? For these four tickets.

11 Daejhor: I don't--

12 Mrs. Mossotti: Estimate on the graph where it would be.

13 Daejhor: Not on the graph.

14 Mrs. Mossotti: So show me. Point your finger. If the graph was much, much larger where
15 it would be. So what are you thinking then?

16 Daejhor: Here.

17 Mrs. Mossotti: So based on that's where 34 would be what is your brain thinking right
18 now?

19 Daejhor: I'm thinking that this is wrong because--

20 Mrs. Mossotti: So forget this math for a second. Even if your answer is not correct, about
21 what price do you think it was?

22 Daejhor: For four tickets I feel like it was like-- how much is that? Four. It should
23 have been up here in 10 area.

24 Mrs. Mossotti: So why is this so much higher than this 10 that you're thinking over here
25 when you look at the graph? I want you guys to figure that out. Why did
26 you think this number? And then here when you look at the graph, then
27 you think it's closer to 10 which is much, much smaller of a cost compared
28 to 34. So I want to come back to you guys.

29 Daejhor: So for one ticket apparently it's \$8.50.