**Ms. Miller: Finding the Median**

Ms. Miller: And the last one, what is the median and mode of that data; who can do it without shouting it out? Who can tell me the median and the mode? Juan?

Juan: The median is 8.5 and the [inaudible].

Ms. Miller: Does everybody agree with that?

Student: No.

Ms. Miller: No. How do we find the median; what do we have to do with the digits?

Student: We put then in order from least to biggest.

Ms. Miller: Does it really matter which way I do it?

Student: No, actually you could do biggest to smallest or smallest to biggest.

Ms. Miller: They just have to be in order.

Student: They have to be in order.

Ms. Miller: So it’s 8.1; what’s next?

Student: 8.2, 8.4 –

Ms. Miller: Matt and Adam. And then 8.6.

Student: And then what my teacher told me to do is take two – like 8.45.

Ms. Miller: So what Alex was saying, she was saying that she’s had an experience before where they’ve gone boom, boom, boom until we get to the middle. Okay?

Student: [Inaudible].

Ms. Miller: Okay. What if I have 100 numbers; is that going to be a reasonable thing to do?

Student: No, you’re not going to want to do it for that many; so what could we do to find that middle part without having to go boom, boom, boom, boom, boom?

Student: Guess?

Ms. Miller: Guesstimate, no.

Student: Well, you could find out what’s half of a hundred which is 50; you know the other half is 50 so you’d say 50 [inaudible].

Ms. Miller: Or you’d say in between the 50th and the 49th and the 50th number.

Student: Oh, yeah.

Ms. Miller: Whatever those numbers are, okay? For example, we had six items in this particular one with half a six –

Student: 3.

Ms. Miller: 3, so we’d want 3 on each sides, so we’d want between the 3rd and the 4th number. Between the 3rd and the 4th number.

Student: Oh, yea.

Ms. Miller: So if I had 25 numbers, for example, what’s half of 25?

Student: We’re so bad.

Ms. Miller: I know it’s Monday, come on folks.

Student: 12.5.

Ms. Miller: 12.5, so you would want the number that’s between the 12th and the 13th number. Or the 13th number, depending on how many – well, we had 25 numbers so you’d want the 13th number because then you would have 12 above and 12 below.