

**Transcript: Representing One-Fourth and One-Half**

Third grade, Public Elementary School Michigan  
Monday, May 14, 1990

Seating Arrangement

Lucy	Betsy
Devin	Maria

Mark	Cassandra
Lindwe	Sheena
Mei	

Nathan	Tembe
Keith	Tory
(empty)	

Riba	Daniel
Ofala	Sean
Harououn	

1:17:06

- 1 Teacher: You have an idea for this one?
- 2 Tory: No.
- 3 Teacher: This one?
- 4 Tory: Yeah.
- 5 Teacher: What do you think that is?
- 6 Tory: I- I think a quarter?
- 7 Teacher: Okay. Can you tell us why you think it's a quarter?
- 8 Tory: Because a quarter is smaller than a half. If you split a
- 9 circle in half and if you split a circle in a quarter, the
- 10 quarter will be smaller.
- 11 Teacher: Split it in a half then split it into quarters.
- 12 Tory: And then-
- 13 Teacher: Here's a quarter?
- 14 Tory: Yeah, that's a quarter and if you cut another circle in
- 15 half- See, the quarter is smaller than the half, so
- 16 that's one half that's colored in and that's a quarter.
- 17 Teacher: Okay so your argument is one quarter is less than one
- 18 half so this would need to come before the one half.
- 19 Any comments about what Tory said or her
- 20 explanation?

1:18:19

<b>NAME</b>	<b>GENDER</b>	<b>RACE</b>	<b>COUNTRY</b>	<b>ENGLISH PROFICIENCY</b>	<b>HOW LONG AT THIS SCHOOL<sup>1</sup></b>
Lindwe	M	African American	U.S.A	native speaker	5 months
Nathan	M	White	Ethiopia	fluent	almost 4 years
Betsy	F	White	Canada	native speaker	9 months
Cassandra	F	African American	U.S.A.	native speaker	almost 2 years
Daniel	M	Asian	Indonesia	developing	almost 4 years
Jeannie	F	White	U.S.A.	native speaker	almost 4 years
Keith	M	African American	U.S.A.	native speaker	5 months
Tembe	M	African Black	Kenya	fluent	almost 4 years
Mei	F	Asian	Taiwan	fluent	almost 3 years
Lucy	F	White	U.S.A.	native speaker	almost 4 years
Maria	F	Latina	Nicaragua	beginning	9 months
Mark	M	White	U.S.A.	native speaker	almost 3 years
Ofala	F	African Black	Nigeria	fair	almost 4 years
Devin	M	White	Nepal	beginning	a little over 1 year
Riba	F	White	Egypt	good	almost 4 years
Haroun	M	Asian	Indonesia	developing	almost 2 years
Sean	M	White	U.S.A.	native speaker	almost 3 years
Sheena	F	African American	U.S.A.	native speaker	9 months
Tory	F	White	U.S.A.	native speaker	5 months

<sup>1</sup>*NOTE:* This column reflects the length of time the child had been in this *school* as of 05/89. No one had been in this *prior* to September 1989, the beginning of the school year.