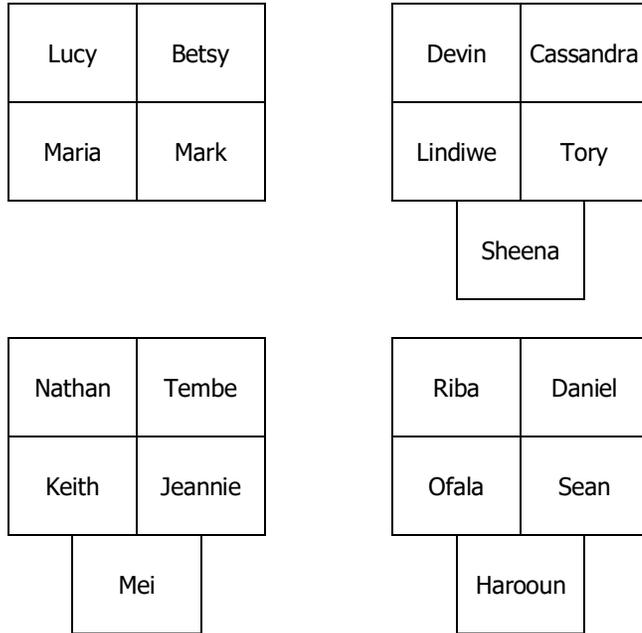


Transcript: Comparing Four-Fourths and Four-Eighths

Third grade, Public Elementary School Michigan
Monday, May 21, 1990

Seating Arrangement



In the previous class period, students had begun to work by themselves and in small groups on several problems that were written on the board. Class had ended, however, before students had the opportunity to discuss their work as a whole class. This math period begins with a whole-group discussion of the first problem that was written on the board the previous day: "Which is more 4/4 or 4/8?"

1:03:23

1 Teacher: It's extremely important what Keith just said. Could you say it again? That would be very helpful to some people in this class. Listen to Keith about what he did wrong the first time, he says.

5 Keith: I made the four-fourths the same as she did then I made four-eighths longer than- a longer piece.

7 Teacher: Like this? Can I try what I think you're saying? You made a four-fourths like this. *(draws:)*



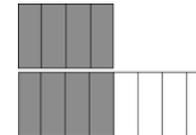
9 And he- when he made the four-eighths. *(draws:)*



10 Is that what you did? And so then when you shade it in, if you shade in four-fourths- And over here you have to shade in how many?

13 Students: Four.

14 Teacher: *(shades in the four eighths)*



15 What happens when you try to compare the pictures?

16 Keith: They're the same.

1:04:09

NAME	GENDER	RACE	COUNTRY	ENGLISH PROFICIENCY	HOW LONG AT THIS SCHOOL¹
Lindiwe	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

¹*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.