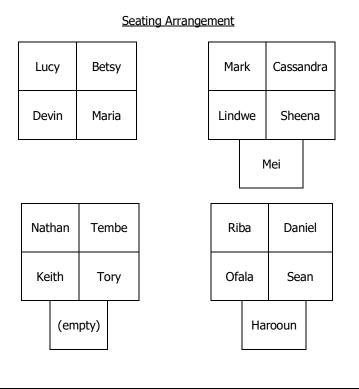


Representing and Comparing Fractions in Elementary Mathematics Teaching **Session 2 Resource**

Transcript: Representing One-Fourth and One-Half

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



	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 9 10	Tory:	Because a quarter is smaller than a half. If you split a circle in half and if you split a circle in a quarter, the 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 15 16	Tory:	Yeah, that's a quarter and if you cut another circle in half- See, the quarter is smaller than the half, so that's one half that's colored in and that's a quarter.			
17 18 19 20	Teacher:	Okay so your argument is one quarter is less than one half so this would need to come before the one half. Any comments about what Tory said or her explanation?			
	1:18:19				

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NAME	GENDER	RACE	COUNTRY	ENGLISH PROFICIENCY	HOW LONG AT THIS SCHOOL ¹
Lindwe	М	African American	U.S.A	native speaker	5 months
Nathan	М	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	М	Asian	Indonesia	developing	almost 4 years
Jeannie	F	White	U.S.A.	native speaker	almost 4 years
Keith	М	African American	U.S.A.	native speaker	5 months
Tembe	М	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	М	White	U.S.A.	native speaker	almost 3 years
Ofala	F	African Black	Nigeria	fair	almost 4 years
Devin	М	White	Nepal	beginning	a little over 1 year
Riba	F	White	Egypt	good	almost 4 years
Harooun	М	Asian	Indonesia	developing	almost 2 years
Sean	М	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

¹NOTE: 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.