



## Student Work

Comparing and Scaling Problem 2.1

Sharing Pizza: Comparison Strategies



# College of Natural Scienc 2 1 Sharing Pizza Comparison Strategies



The dining room at a camp has two sizes of table. A large table seats ten people, and a small table seats eight people. When the campers come for dinner one night, there are four pizzas on each large table and three pizzas on each small table.





A The campers at each table share the pizzas equally. Does a person sitting at a small table get the same amount of pizza as a person sitting at a large table? Explain your reasoning.









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3+8=0.375	Each	person	gets	0.375	of a	p1220.
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Percents
Large table

100-10=10

40%

Small table

100-8-12.5

37.5%

Explanation

We believe that the large table is the place to sit if you want more pizza. At the large table, you will get 40% of a pizza.





Step 1: Find a common numerator

Step 2: See which fraction is greator (Fraction with smaller denomenator)

12/30 > 12/32

The large table is better, because the amount of pizza(numerator) is the same for a smaller amount of pizza people (denomenator), so there will be more pizza per person.





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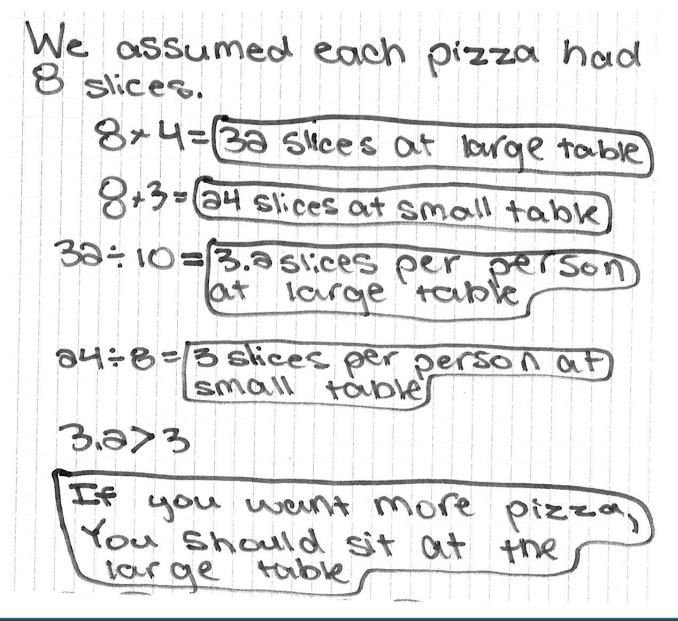


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