

Comparing and Scaling

Learning Aid 2.1B: Strategies

Selma's Strategy

For each table, I found the amount of pizza each person would get.

Large Table

4 pizzas for 10 people = $\frac{4}{10}$ pizza for 1 person

Small Table

3 pizzas for 8 people = $\frac{3}{8}$ pizza for 1 person

The people at the large table get more pizza.

Tony's Strategy

For each table, I found the number of people that would share one pizza.

Large Table

10 people for every 4 pizzas =
x people for every 1 pizza =
2.5 people for every 1 pizza

Small Table

8 people for every 3 pizzas =
x people for every 1 pizza =
 $2\frac{2}{3}$ people for every 1 pizza

The people at the small table get more pizza since $2\frac{2}{3}$ is greater than 2.5.

Terry's Strategy

For the large table, there are 10 people for 4 pizzas. The difference is 6.

For the small table there are 8 people for 3 pizzas. The difference is 5.

Large Table

10 people - 4 pizzas = 6

Small Table

8 people - 3 pizzas = 5

So, the people at the small table get more pizza.