Thinking About Fractions  page 1 of 2

1 Rico’s dad brought home two pizzas that were exactly the same size. The pepperoni pizza was cut into 6 equal pieces. The cheese pizza was cut into 12 equal pieces. Rico’s little brother, Luis, ate 2 pieces of pepperoni pizza. His big sister, Carlota, ate 4 pieces of the cheese pizza. Justin started crying because he thought Carlota got more pizza than he did. Carlota said they got exactly the same amount.

a  Who was right, Luis or Carlota? ________________

b  Use labeled sketches, numbers, and words to explain your answer.

2 Vincent says that \( \frac{1}{4} \) is bigger than \( \frac{1}{3} \) because 4 is more than 3.

a  Do you agree with Vincent? _____

b  Use labeled sketches, numbers, and words to explain your answer.

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3  Talia says that $\frac{1}{3}$ and $\frac{2}{6}$ are equivalent fractions.
   
   a  Do you agree with Talia? _____
   
   b  Use labeled sketches, numbers, and words to explain your answer. (You can use the egg carton diagrams to help if you like.)

   ![Egg carton diagrams]

   c  Name another fraction that is equivalent to $\frac{1}{3}$. _____

4  **CHALLENGE** In a 12-egg carton, $\frac{1}{6}$ equals 2 eggs. Use the grids below to help you imagine and draw cartons where:

   a  $\frac{1}{6}$ is 3 eggs.

   ![Grid for 1/6 is 3 eggs]

   b  $\frac{5}{6}$ is 25 eggs.

   ![Grid for 5/6 is 25 eggs]

   c  How did you decide on the sizes of the cartons for a and b?