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Date _____

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Comparing Fractions with Different Denominators

Word Problems

(4.NF.2)

Directions: Solve the following word problem using numbers, pictures (model drawings), and words. 😊

Nicola made dessert bars for her family. She used two same sized pans. They ate $\frac{1}{4}$ of the first pan and $\frac{1}{5}$ of the second pan. Shade in the models below and determine which dessert pan had more eaten. Explain whether or not you can compare the pans and amounts eaten.

First Dessert Pan

Second Dessert Pan

Explain your thinking:



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KEY

First Dessert Pan $\frac{1}{4}$ eaten

Second Dessert Pan $\frac{1}{5}$ eaten

When comparing using the same whole amounts, $\frac{1}{4}$ is a larger amount than $\frac{1}{5}$. $\frac{1}{4} > \frac{1}{5}$ Both dessert pans contained 40 same sized pieces. Both pans were identical. In the first dessert pan, 10 pieces were eaten. In the second pan, 8 were eaten. $10 > 8$