



Name _____

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. 😊

Mary Ann, Gilligan, and Mr. H went out for pizza. Each person ordered their own pizza. Mary Ann ate $\frac{3}{8}$ of her pizza. Gilligan ate $\frac{1}{4}$ of his pizza. Mr. H ate $\frac{5}{16}$ of his pizza. Place the amount they ate in order from least to greatest by using these symbols $<$ $>$. Draw pictures to show the fractions.

Answer: _____



Name _____

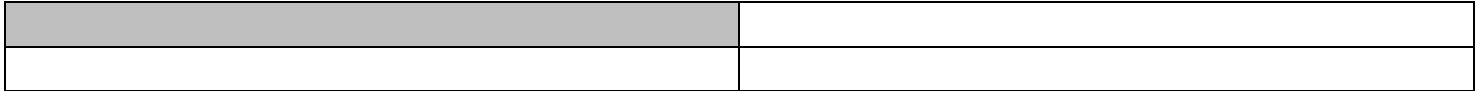
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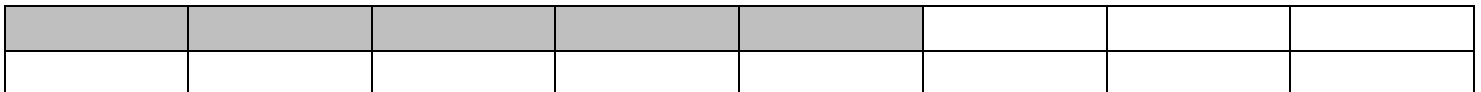
Answer:

$$1/4 < 5/16 < 3/8$$

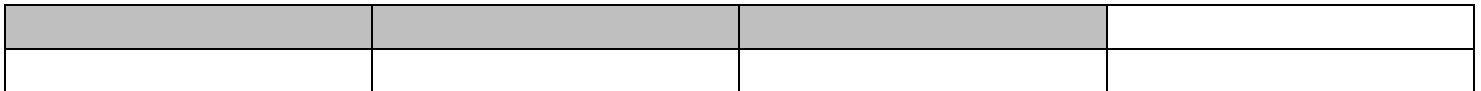
$$1/4$$



$$5/16$$



$$3/8$$



All of the denominators from the original fractions are factors of 16. So the common denominator should be 16.

$$1/4 \text{ Multiply both the numerator and denominator by 4. } 1/4=4/16$$

$$5/16 = 5/16$$

$$3/8 \text{ Multiply both the numerator and denominator by 2. } 3/8=6/16$$

$$4/16 < 5/16 < 6/16$$