



Name \_\_\_\_\_

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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. 😊

Lucy, Fred, and Ethel each had the same size walls to paint. Lucy painted  $\frac{1}{12}$  of her wall. Fred painted  $\frac{3}{4}$  of his wall. Ethel painted  $\frac{1}{2}$  of her wall. Order the fractions from greatest to least. Draw a model to show your thinking.

Answer: \_\_\_\_\_



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**KEY**

Answer: Greatest to Least  $3/4 > 1/2 > 1/12$

All of the denominators from the original fractions are factors of 12. So the common denominator should be 12.

Lucy =  $1/12$

Fred =  $3/4$  Multiply both the numerator and denominator by 3.  $3/4 = 9/12$

Ethel =  $1/2$  Multiply both the numerator and denominator by 6.  $1/2 = 6/12$

$1/12$


$3/4$


$1/2$
