Name

Date _____

1. Each rectangle represents 1. Draw horizontal lines to decompose each rectangle into the fractional units as indicated. Use the model to give the shaded area as a sum and as a product of unit fractions. Use parentheses to show the relationship between the number sentences. The first one has been partially done for you.



b. Tenths





Lesson 6:

6: Decompose fractions using area models to show equivalence.



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c. Twelfths



2. Draw area models to show the decompositions represented by the number sentences below. Express each as a sum and product of unit fractions. Use parentheses to show the relationship between the number sentences.

a.
$$\frac{3}{5} = \frac{6}{10}$$

b.
$$\frac{3}{4} = \frac{6}{8}$$



Lesson 6:

Decompose fractions using area models to show equivalence.



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- 3. Step 1: Draw an area model for a fraction with units of thirds, fourths, or fifths.
 - Step 2: Shade in more than one fractional unit.
 - Step 3: Partition the area model again to find an equivalent fraction.
 - Step 4: Write the equivalent fractions as a number sentence. (If you've written a number sentence like this one already on this Problem Set, start over.)



Lesson 6:

6: Decompose fractions using area models to show equivalence.



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