Units Other Than Unit Squares Name _____

Vocabulary

equivalent fractions:

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unit fraction:

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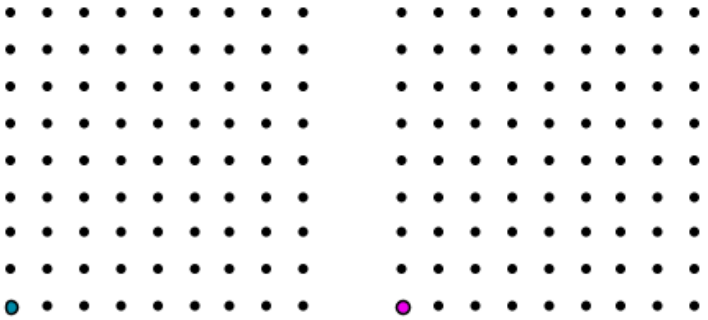
In this activity, you will use grids and tiling to help solve fraction problems.

1. Draw a shape in each of the large squares that will show that $\frac{3}{4}$ of one thing can be larger than $\frac{7}{8}$ of another.



2. Explain how you can use tiling to find each of the following:

a. $\frac{1}{2}+\frac{2}{5}$

b. $\frac{9}{10}-\frac{1}{5}$

c. $\frac{7}{8}-\frac{2}{3}$

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3. Solve each of the following. Explain your reasoning.

a. $2 \times \frac{2}{5}$ b. $4 \times \frac{3}{8}$ c. $3 \times \frac{4}{8}$

4. A box contained 12 packages of trail mix. Use tiling to find the number of packages in each.

a. $\frac{1}{2}$ box c. $\frac{14}{12}$ boxes

b. $\frac{2}{3}$ box d. $\frac{4}{2}$ boxes