Adding Fractions with Unlike Denominators

Name _____
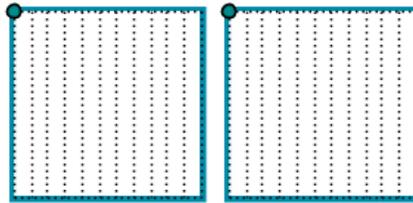
Vocabulary

congruent:

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common factors:

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In this activity, you will create equivalent fractions to add fractions with unlike denominators.

1. What is $\frac{5}{11} + \frac{2}{11}$? Shade the unit squares to show the addition. Explain how the unit squares support your answer.

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2. Is $\frac{3}{4} + \frac{2}{5}$ the same as $\frac{5}{9}$? Why or why not?

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3. Which of the following will give you $\frac{4}{3}$ cups of sugar?

a. use a $\frac{1}{4}$ cup once, a $\frac{1}{3}$ cup once and a $\frac{1}{2}$ cup once

b. use a $\frac{1}{2}$ cup twice and a $\frac{1}{3}$ cup once

c. use a $\frac{1}{3}$ cup twice and a $\frac{1}{2}$ cup once

4. ◎ Adam said that to find the sum of $\frac{6}{4}$ and $\frac{2}{3}$, you could rewrite $\frac{6}{4}$ as $\frac{6}{12}$ and $\frac{2}{3}$ as $\frac{2}{12}$ then you could add the two fractions together to get $\frac{8}{12}$. Is Adam correct? Explain why or why not.

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