

Name _____

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Solve & Share

Kyle and Jillian are working on a sports banner. They painted $\frac{3}{8}$ of the banner green and $\frac{4}{8}$ purple. How much of the banner have they painted so far? *Solve this problem any way you choose.*

You can use tools.
Use fraction strips to model
this problem. *Show your work
in the space below!*



Lesson 11-1

Modeling Addition of Fractions

TEKS 4.3E Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations. Also, 4.3. Mathematical Process Standards 4.1C, 4.1D, 4.1E, 4.1F, 4.1G

Digital Resources at PearsonTexas.com



Solve



Learn



Glossary



Check



Tools



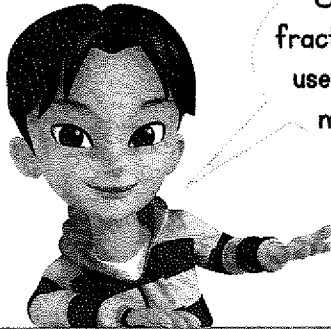
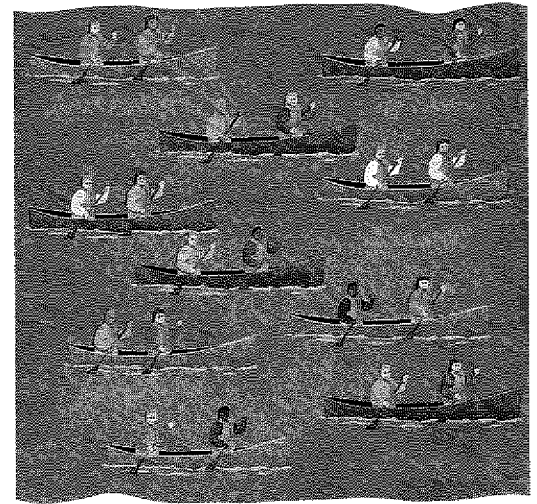
Games

Look Back!

Connect Ideas Is your answer in simplest form? Explain why or why not.

How Can You Use Fraction Strips To Add Fractions?

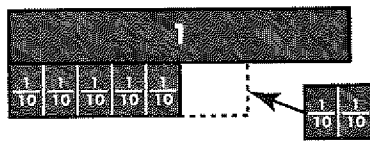
Ten canoeing teams are racing downriver. Five teams have silver canoes and two teams have brown canoes. What fraction of the canoes are either silver or brown?



Objects such as fraction strips can be used to add two or more fractions.

Use objects.

b $\frac{5}{10}$ of the canoes are silver and $\frac{2}{10}$ of the canoes are brown. Use five $\frac{1}{10}$ strips to show $\frac{5}{10}$ and two $\frac{1}{10}$ strips to show $\frac{2}{10}$.



Seven $\frac{1}{10}$ strips are needed.

c Add the numerators. Write the sum over the like denominator.

$$\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$$

Seven out of ten, or $\frac{7}{10}$, of the total canoes are either silver or brown.

Do You Understand?

Convince Me! What two fractions would you add to find the fraction of all the canoes that are either green or brown? What is the sum?