Name .....

MY Homework

Lesson 10
Mixed Numbers and Improper Fractions

Homework Helper

eHelp

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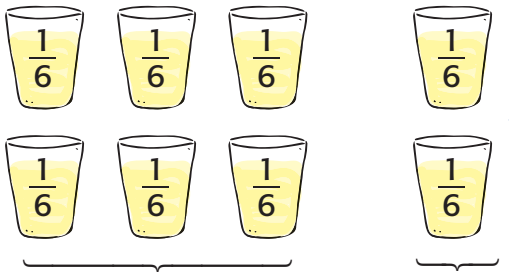
Kelsey made 2 pitchers of lemonade. Each pitcher holds 6 cups. She poured 4 cups of lemonade from one pitcher. What fraction of the lemonade is left?

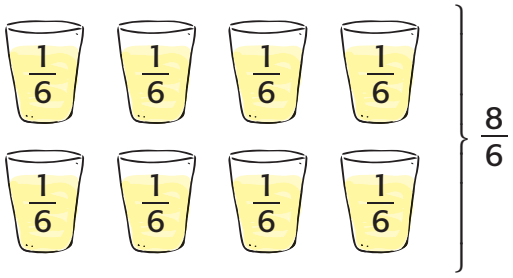
One Way **Count the wholes and the parts.**



If 4 cups of lemonade are poured from one pitcher, then there is 1 full pitcher left and 2 cups remaining in the other pitcher.

$1 + \frac{2}{6} = 1\frac{2}{6}$

Another Way **Count the parts.**

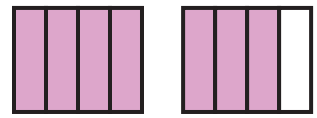


So, there are $1\frac{2}{6}$, or $\frac{8}{6}$, pitchers of lemonade left.

Practice

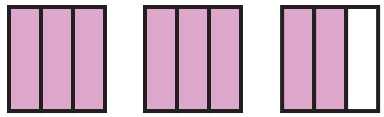
Write a mixed number and an improper fraction for each shaded model.

1.



$1\frac{3}{4}; \frac{7}{4}$

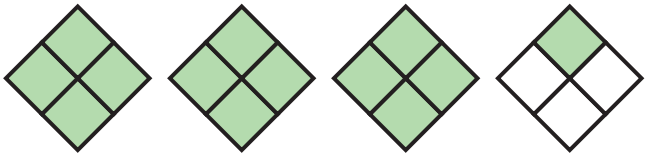
2.



$2\frac{2}{3}; \frac{8}{3}$

Write a mixed number and an improper fraction for each model.

3.



$3\frac{1}{4}; \frac{13}{4}$

4.

$1\frac{5}{12}; \frac{17}{12}$

5. Draw a model to write $2\frac{3}{5}$ as an improper fraction.

$\frac{13}{5}$

6. Draw a model to write $\frac{30}{4}$ as a mixed number.

$7\frac{2}{4}$ or $7\frac{1}{2}$

5, 6. See students' models.

Problem Solving

7. Mathematical PRACTICE 2 **Use Number Sense** Ana walked $\frac{13}{3}$ miles. Write $\frac{13}{3}$ as a mixed number.

$4\frac{1}{3}$

8. There are $5\frac{4}{5}$ cups of milk left in a carton. Write $5\frac{4}{5}$ as an improper fraction.

$\frac{29}{5}$

Vocabulary Check

9. Is $\frac{10}{3}$ an improper fraction? Explain.

yes; The numerator is greater than the denominator.

Test Practice

10. Amelia needs $3\frac{2}{3}$ cups of sugar to make cupcakes. Which improper fraction names this amount?

Ⓐ $\frac{5}{3}$ cups Ⓒ $\frac{11}{3}$ cups

Ⓑ $\frac{8}{3}$ cups Ⓓ $\frac{18}{3}$ cups