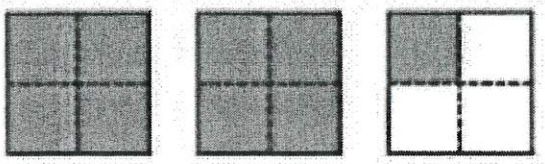
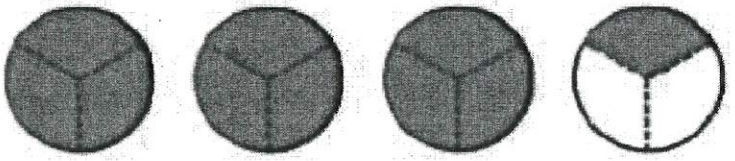
Key

Chapter 4 Preview Lesson – Improper Fractions and Mixed Numbers

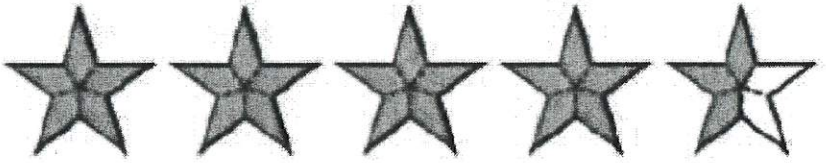
Write a mixed number and improper fraction to represent each picture.

a. 

$2\frac{1}{4}$ _____ $\frac{9}{4}$ _____

b. 

$3\frac{1}{3}$ _____ $\frac{10}{3}$ _____

c. 

$4\frac{3}{5}$ _____ $\frac{23}{5}$ _____

Changing a Mixed Number to an Improper Fraction

Multiply the denominator to the whole number.

Add the numerator to the product.

The sum is your new numerator.

The denominator stays the same.

$2\frac{1}{4} = \frac{9}{4}$ (+ and × arrows)

Change the following improper fractions to mixed numbers.

divide

1.) $\frac{14}{6}$ $2\frac{2}{6}$

$6\overline{)14}$ -12 2

2.) $\frac{15}{4}$ $3\frac{3}{4}$

$4\overline{)15}$ -12 3

3.) $\frac{112}{5}$ $22\frac{2}{5}$

$5\overline{)112}$ -10 12 -10 2

Change the following mixed numbers to improper fractions.

4.) $2\frac{1}{2} = \frac{5}{2}$

5.) $15\frac{3}{4} = \frac{63}{4}$

6.) $10\frac{6}{7} = \frac{76}{7}$

Partner Talk

Write your own improper fraction. – *Your neighbor is going to change it into a mixed number.*

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