

Name \_\_\_\_\_

# Rename Fractions and Mixed Numbers

**I Can** decompose mixed numbers and fractions greater than one into a sum of fractions with the same denominators.

Florida's B.E.S.T.

● Fractions 4.FR.2.1, 4.FR.2.2

● Mathematical Thinking &amp; Reasoning

MTR.2.1, MTR.3.1, MTR.4.1, MTR.5.1,

MTR.7.1



UNLOCK the Problem



Mr. Varga has  $2\frac{3}{6}$  loaves of corn bread. Each loaf was cut into  $\frac{1}{6}$ -size pieces. If he has 14 people over for dinner, is there enough bread for each person to have 1 piece?

A **mixed number** is a number represented by a whole number and a fraction. You can write a mixed number as a fraction.

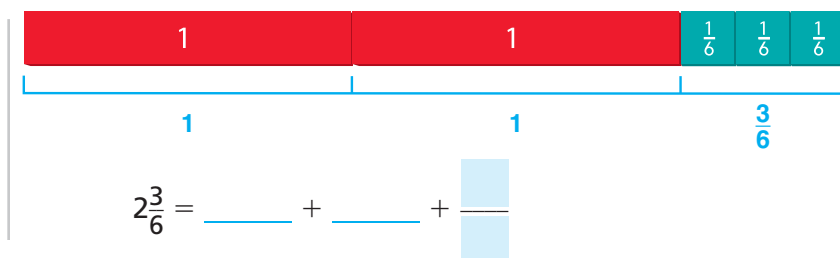
To find how many  $\frac{1}{6}$ -size pieces are in  $2\frac{3}{6}$ , write  $2\frac{3}{6}$  as a fraction.

**Example** Write a mixed number as a fraction.

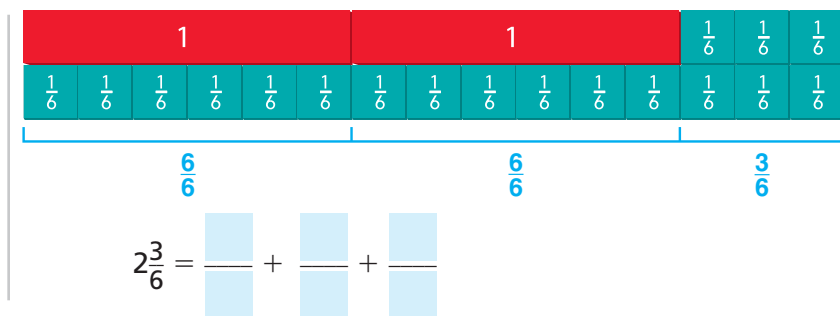
THINK

STEP 1 Model  $2\frac{3}{6}$ .

MODEL AND RECORD



STEP 2 Find how many  $\frac{1}{6}$ -size pieces are in each whole. Model  $2\frac{3}{6}$  using only  $\frac{1}{6}$ -size pieces.



STEP 3 Find the total number of  $\frac{1}{6}$ -size pieces in  $2\frac{3}{6}$ .

Think: Find  $\frac{6}{6} + \frac{6}{6} + \frac{3}{6}$ .

$$2\frac{3}{6} = \underline{\quad}$$

There are \_\_\_\_\_ sixth-size pieces in  $2\frac{3}{6}$ .

So, there is enough bread for 14 people to each have 1 piece.

**Math Talk**

**MTR 4.1** Engage in discussions on mathematical thinking.

Give an example of how to write a mixed number as a fraction without using a model.

## Example Write a fraction greater than 1 as a mixed number.

To weave a bracelet, Kajsa needs 7 pieces of brown thread. Each piece of thread must be  $\frac{1}{3}$  yard long. How much thread should she buy to weave the bracelet?

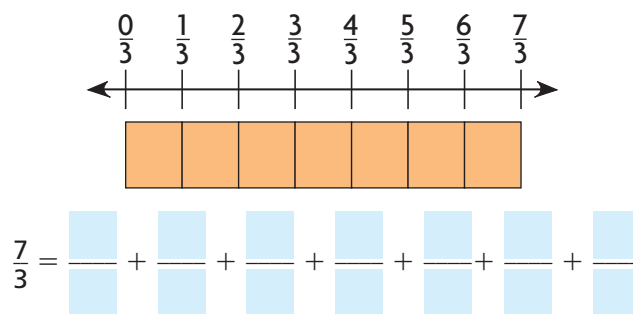


Write  $\frac{7}{3}$  as a mixed number.

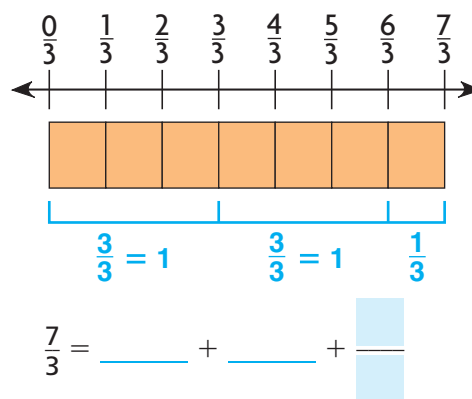
### THINK

**STEP 1** Model  $\frac{7}{3}$ .

### MODEL AND RECORD



**STEP 2** Find how many wholes are in  $\frac{7}{3}$ , and how many thirds are left over.



**STEP 3** Write  $\frac{7}{3}$  as a mixed number.

$$\frac{7}{3} = \square \frac{\square}{\square}$$

So, Kajsa should buy            yards of thread.

## Share and Show



Write the unknown numbers. Write mixed numbers above the number line and fractions greater than one below the number line.

