Name _____

LESSON 14.1
More Practice/ Homework

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Decompose Fractions into Sums

1 MP **Model with Mathematics** Look at the list of the names of the months of the year.

- Draw a visual model to show the fraction of the names of the months that contain the letter *y*.

January	July
February	August
March	September
April	October
May	November
June	December

- Write an addition equation to model the fraction as a sum of the fractions representing each month.

_____

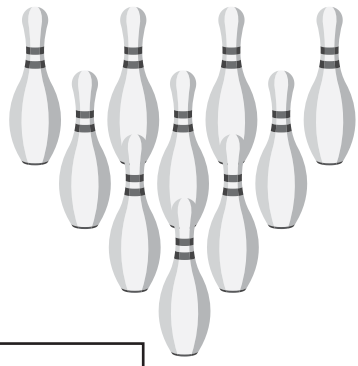
Write the fraction as a sum of unit fractions.

2 $\frac{2}{6} =$ _____

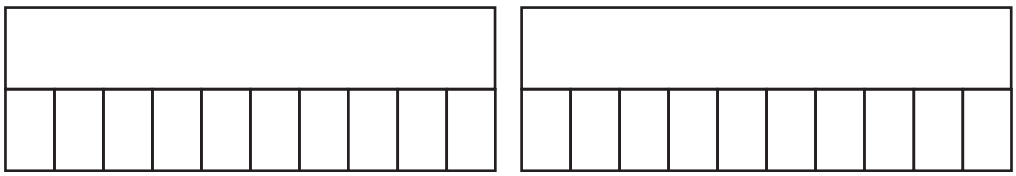
3 $\frac{4}{5} =$ _____

4 $\frac{3}{8} =$ _____

5 MP **Model with Mathematics** Marlon threw a bowling ball twice and knocked down a total of 6 pins.



Shade the visual fraction models to show two ways he could have knocked down the 6 pins on the two throws. Then model each with an equation.



_____ _____

Write the fraction as a sum of two fractions.

6 $\frac{2}{5} =$ _____

7 $\frac{9}{10} =$ _____

8 $\frac{7}{8} =$ _____

Test Prep

9 Select all the ways to represent $\frac{7}{10}$.

Ⓐ $\frac{3}{10} + \frac{2}{10} + \frac{2}{10}$

Ⓑ $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

Ⓒ $\frac{5}{10} + \frac{2}{10}$

Ⓓ $\frac{10}{1} + \frac{10}{1} + \frac{10}{1} + \frac{10}{1} + \frac{10}{1} + \frac{10}{1} + \frac{10}{1}$

Ⓔ $\frac{1}{10} + \frac{2}{10} + \frac{3}{10} + \frac{1}{10}$

10 Lila has 12 pencils, and 6 of them are not sharpened. Which shows the fraction of the pencils that are not sharpened?

Ⓐ $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

Ⓑ $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

Ⓒ $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

Ⓓ $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

11 Gina has 10 picture frames, and 3 of them are not broken. Which shows the fraction of the picture frames that are broken?

Ⓐ $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

Ⓑ $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

Ⓒ $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

Ⓓ $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

Spiral Review

12 Is 3 a factor of the number? Write *yes* or *no*.

14 _____

54 _____

13 Which of the numbers are not multiples of 6?

6, 12, 14, 18, 24, 30, 32, 36

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