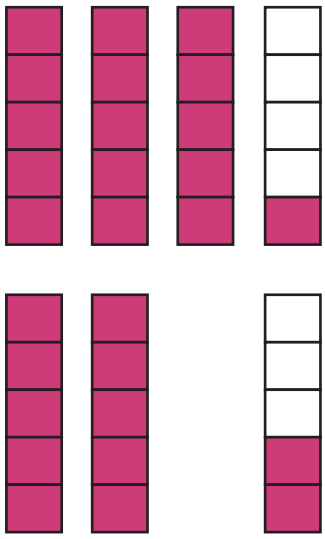
Name _____ Date _____

Mixed Fraction Subtraction with Like Denominators: Regrouping

Let's take a close look at an example! The following steps will show you how to find the difference of two mixed numbers with regrouping. The visuals will help you "see" this problem.

$$3\frac{1}{5} - 2\frac{2}{5}$$

The mixed numbers are represented in this visual model.



Step 1 : Decompose the largest mixed number.

$$3\frac{1}{5} = 1 + 1 + 1 + \frac{1}{5}$$

Step 2 : Rename one of the wholes into a fraction.

$$1 + 1 + \cancel{1} + \frac{1}{5}$$

$$\downarrow$$

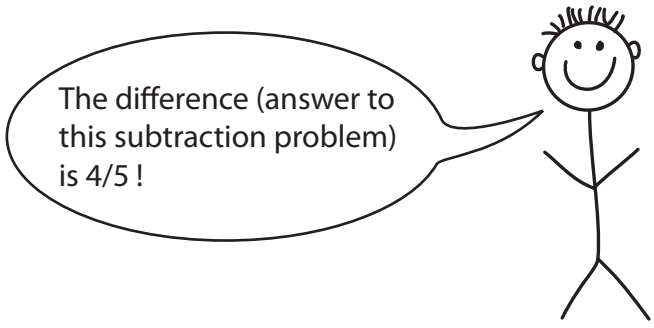
$$1 + 1 + \frac{5}{5} + \frac{1}{5}$$

Step 3 : Add together new wholes and fractions.

$$1 + 1 + \frac{5}{5} + \frac{1}{5} = 2\frac{6}{5}$$

Step 4 : Use the renamed mixed number to find the difference.

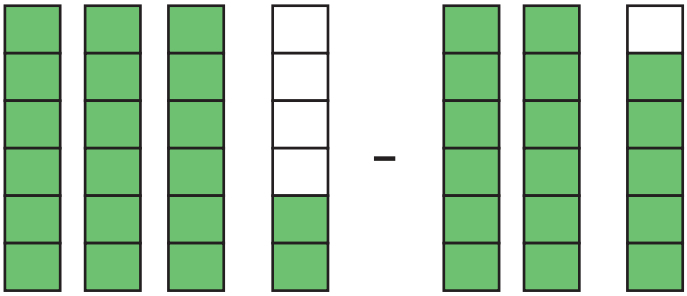
$$2\frac{6}{5} - 2\frac{2}{5} = \frac{4}{5}$$



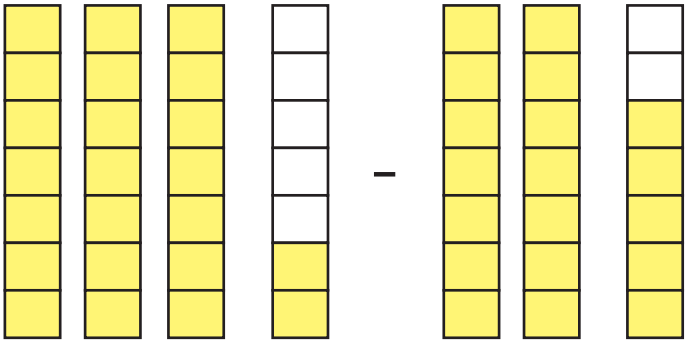
Name _____ Date _____

Mixed Fraction Subtraction with Like Denominators: Regrouping

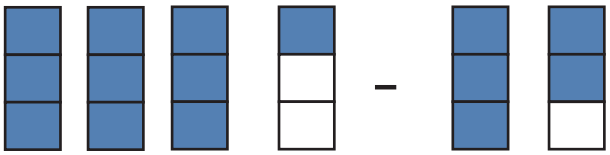
Directions: Subtract the following mixed numbers.



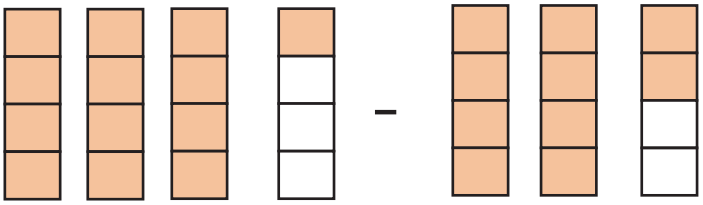
$3\frac{2}{6} - 2\frac{5}{6} = \frac{3}{6}$ or $\frac{1}{2}$



$3\frac{2}{7} - 2\frac{5}{7} = \frac{4}{7}$



$3\frac{1}{3} - 1\frac{2}{3} = 1\frac{2}{3}$



$3\frac{1}{4} - 2\frac{2}{4} = \frac{3}{4}$