

DAY 1

Decompose $3 \frac{1}{2}$ into a sum of fractions in 2 different ways. Show your work.

1st way

2nd way

Which of the following sums are equal to $\frac{22}{17}$?

a. $\frac{5}{17} + \frac{4}{17} + \frac{3}{17} + \frac{10}{17}$

b. $\frac{3}{17} + \frac{8}{17} + \frac{3}{17} + \frac{10}{17}$

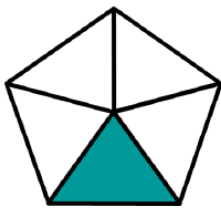
c. $\frac{6}{17} + \frac{4}{17} + \frac{3}{17} + \frac{5}{17} + \frac{2}{17} + \frac{2}{17}$

d. $\frac{12}{17} + \frac{10}{17}$

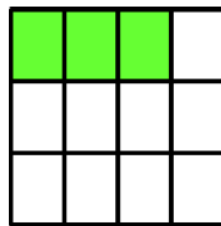
e. $\frac{1}{17} + \frac{1}{17} + \frac{9}{17} + \frac{3}{17}$

Find another way to write $\frac{22}{17}$ as a sum of fractions.

Write the missing fraction.



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



$$\frac{3}{12} + ? = 1$$

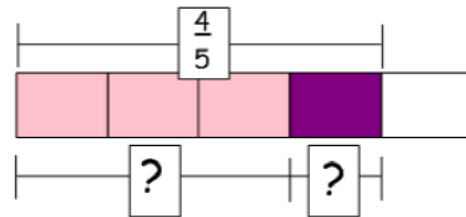
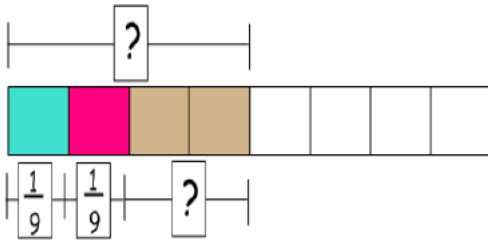
DAY 2

Decompose $2 \frac{3}{4}$ in two different ways. Show your work.

1st way

2nd way

Write an equation to represent a model



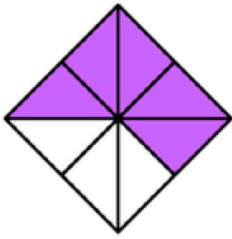
Use $<$, $=$, or $>$ to compare the following sums:

a. $\frac{1}{2} + \frac{1}{4}$ _____ $\frac{1}{3} + \frac{1}{5}$

b. $\frac{1}{3} + \frac{1}{2}$ _____ $\frac{1}{3} + \frac{1}{4}$

DAY 3

Write the missing fraction



$$\frac{5}{8} + ? = 1$$



$$\frac{7}{11} + ? = 1$$

Dennis and Cody are building a castle out of plastic building blocks. They will need 212 buckets of blocks for the castle they have in mind. Dennis used to have two full buckets of blocks but lost some and now has 134 buckets. Cody used to have two full buckets of blocks too, but now has 114 buckets. If Dennis and Cody combine their buckets of blocks, will they have enough to build their castle?

Draw a model to explain your response.

Alfred picked 234 pounds of peaches from the tree in his backyard. He gave 114 pounds to his neighbor Madeleine. How many pounds of peaches does Alfred have left?

Draw a model to explain your response.

REFLECTION

Show examples of two ways to decompose fractions



Questions for your teacher