

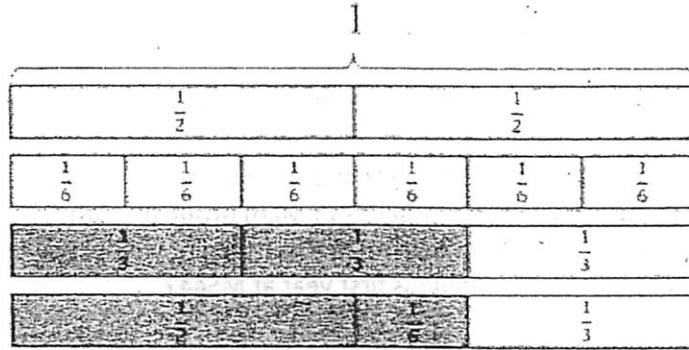
Name _____ Former Elementary School _____

MS447 Summer Math Assignment

Task

Ancient Egyptians used unit fractions, such as $\frac{1}{2}$ and $\frac{1}{3}$, to represent all fractions. For example, they might write the number $\frac{2}{3}$ as $\frac{1}{2} + \frac{1}{6}$.

Example:



We often think of $\frac{2}{3}$ as $\frac{1}{3} + \frac{1}{3}$, but the ancient Egyptians would not write it this way because they didn't use the same unit fraction twice.



All Eyes on You!

a. Write each of the following Egyptian fractions as a single fraction:

Problem	Student Work
i. $\frac{1}{2} + \frac{1}{3}$	
ii. $\frac{1}{2} + \frac{1}{3} + \frac{1}{5}$	
iii. $\frac{1}{4} + \frac{1}{5} + \frac{1}{12}$	

b. How might the ancient Egyptians have written the fraction we write as $\frac{3}{4}$? (Show your work below).