The original problem is below. There are infinitely many correct solutions to the problem. In fact every correct solution submitted this week was different. Some possible solutions are:

1/4 + 1/5 + 1/6 + 1/10 + 1/12 + 1/20

1/4 + 1/5 + 1/6 + 1/7 + 1/14 + 1/420

1/4 + 1/6 + 1/8 + 1/9 + 1/12 + 1/18 + 1/24

1/4 + 1/5 + 1/6 + 1/12 + 1/18 + 1/27 + 1/45 + 1/54

1/4 + 1/6 + 1/8 + 1/10 + 1/12 + 1/15 + 1/24

1/4 + 1/5 + 1/6 + 1/7 + 1/20 + 1/42

1/4 +1/5 + 1/6 + 1/7 + 1/15 + 1/140

Sum Fractions

Egyptian fractions are fractions where the numerator is 1. To make fractions with other numerators, two or more fractions with <u>different</u> denominators are added together. For example

2/3 = 1/2 + 1/6 = 1/3 + 1/4 + 1/12 and 5/8 = 1/2 + 1/8 = 1/3 + 1/4 + 1/24. Notice that there is more than one way to express each fraction.

The challenge is to write 5/6 as an Egyptian fraction without using 1/2 or 1/3.