

**UPDATED GENERAL INFORMATION — APRIL 14, 2016**

*The first quiz*

Students should be prepared to convert ordinary fractions to Babylonian notation and vice versa in simple cases, and also to find Egyptian fraction expansions for fractions in standard forms that are not especially complicated. Here are two examples:

1. Express the fraction  $1/16$  in terms of minutes and seconds (if you want to assume that we are writing  $1/16$  of an hour in terms of minutes and seconds, that is OK).
2. Use Fibonacci's Greedy Algorithm to find an Egyptian fraction expansion for  $17/18$ .
3. Find a pair of Egyptian fraction expansions for  $(1/5)+(1/6)$  such that the largest summand for one is  $1/4$  and the largest summand for the other is  $1/3$ .