

**Presentations01**  
**Proofs and Problem Solutions**

Topic	Presenter
Describe the Babylonian technique for finding the square root. Do an example. Explain why it works.	
Describe the ancients use and possible construction of “Pythagorean Triples.”	
Describe the Egyptian technique for multiplication. Do an example.	
Describe the Egyptian technique for division. Do an example.	
Describe the Egyptian technique for expressing fractions; express $\frac{4}{5}$ in Egyptian fraction format.	
Argue that every rational number between 0 and 1 can be expressed as a finite sum of reciprocals of positive integers. Give an algorithm to do this.	
Add $\frac{4}{5}$ and $\frac{3}{4}$ using the Egyptian format.	
Select two problems from the Rhind papyrus to solve.	
Select two problems from the Moscow papyrus to solve.	
Describe the mathematical discoveries of Ancient China; elaborate on one that you feel is especially important.	
Describe the mathematical discoveries of Ancient Meso-America; elaborate on one that you feel is especially important.	
Describe the mathematical discoveries of Ancient Civilizations that we haven't yet discussed.	