

MAT 300  
Spring 2008

Assignment 1

Write the following numbers in Egyptian hieroglyphic notation

- a. 1492
- b. 1999
- c. 12,321
- d. 70,807

Assignment 2

Write the following Egyptian numbers in our system. Note that some of my numerals face in the wrong direction because my font set does not have the correct ones.

a.

|||      ∪ ∪ ∪ ∪      999  
||      ∪ ∪ ∪

b.

|||||      ∪ ∪ ∪      9 9  
||      ∪ ∪

### Assignment 3

Write each of the following numbers using the (Ionian) Greek numerals given in class.

- a. 125
- b. 62
- c. 4821

### Assignment 4

Write the following (Ionian) Greek number using our numerals.

υλη

### Assignment 5

1. Express the following numbers in Babylonian cuneiform notation.
  - a. 1000
  - b. 1234
  - c. 12,345
  
2. Translate each of the following numbers into our system. Note that the answers are not unique due to the deficiencies in the Babylonian positional system. I will use < for 10 and | for 1.

a.

<<< |||| << |||  
< ||| ||

b.

<<< << ||||| < |||  
|||

Assignment 6

1. Write the following numbers using Roman numerals
  - a. 78
  - b. 326
  - c. 1492
  
2. Convert the following to numbers written in our usual numerals.
  - a. XXXII
  - b. XXIV
  - c. MDLXII
  - d. MDCCXLVIII

Assignment 7

Show how the number 378 would be represented on the counting board below.

_____	1000
_____	100
_____	10
_____	1