

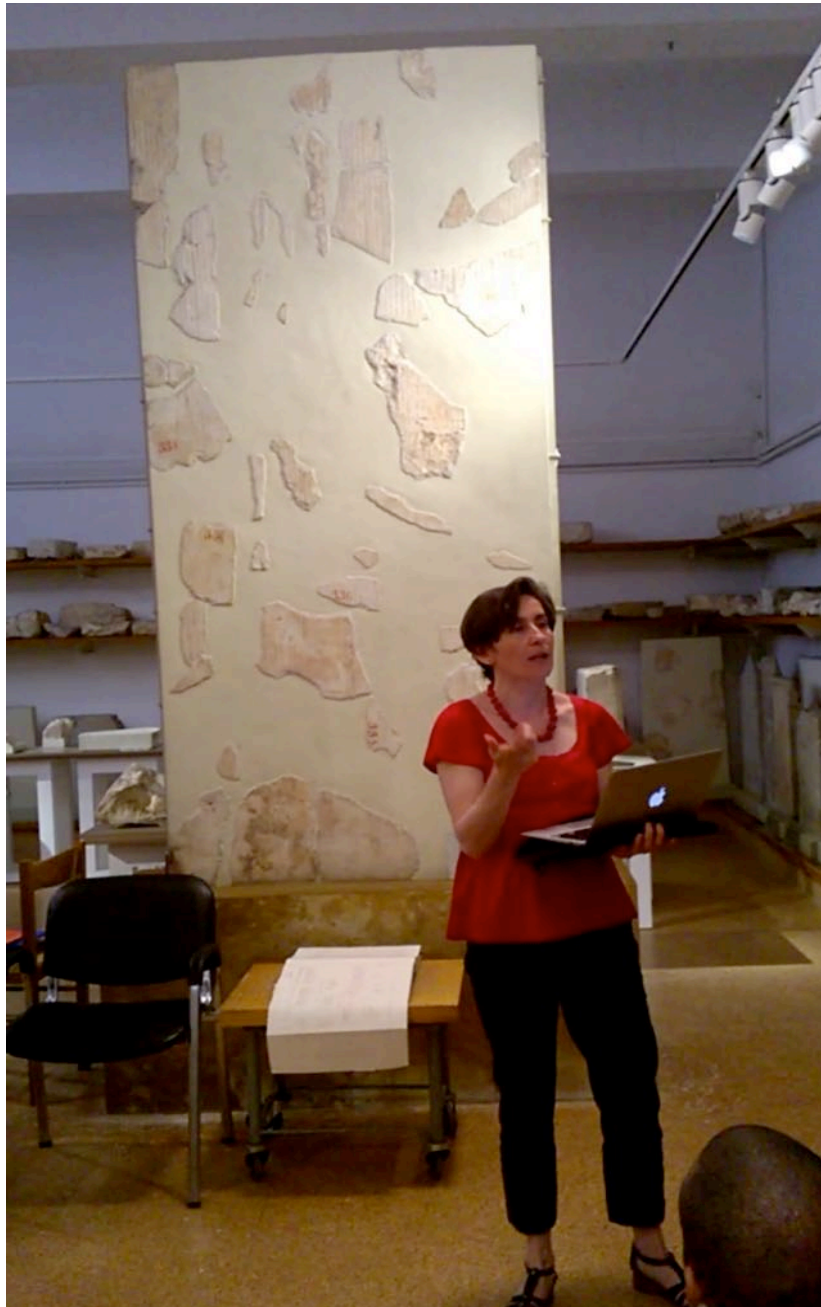


# HOW TO CALCULATE ?

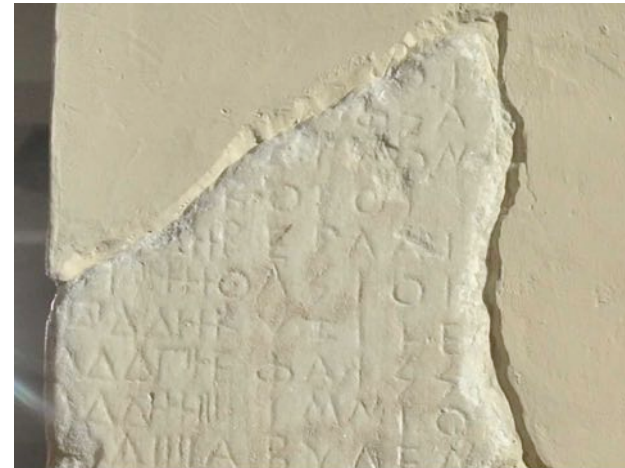
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Michèle Brunet, Université Lyon 2

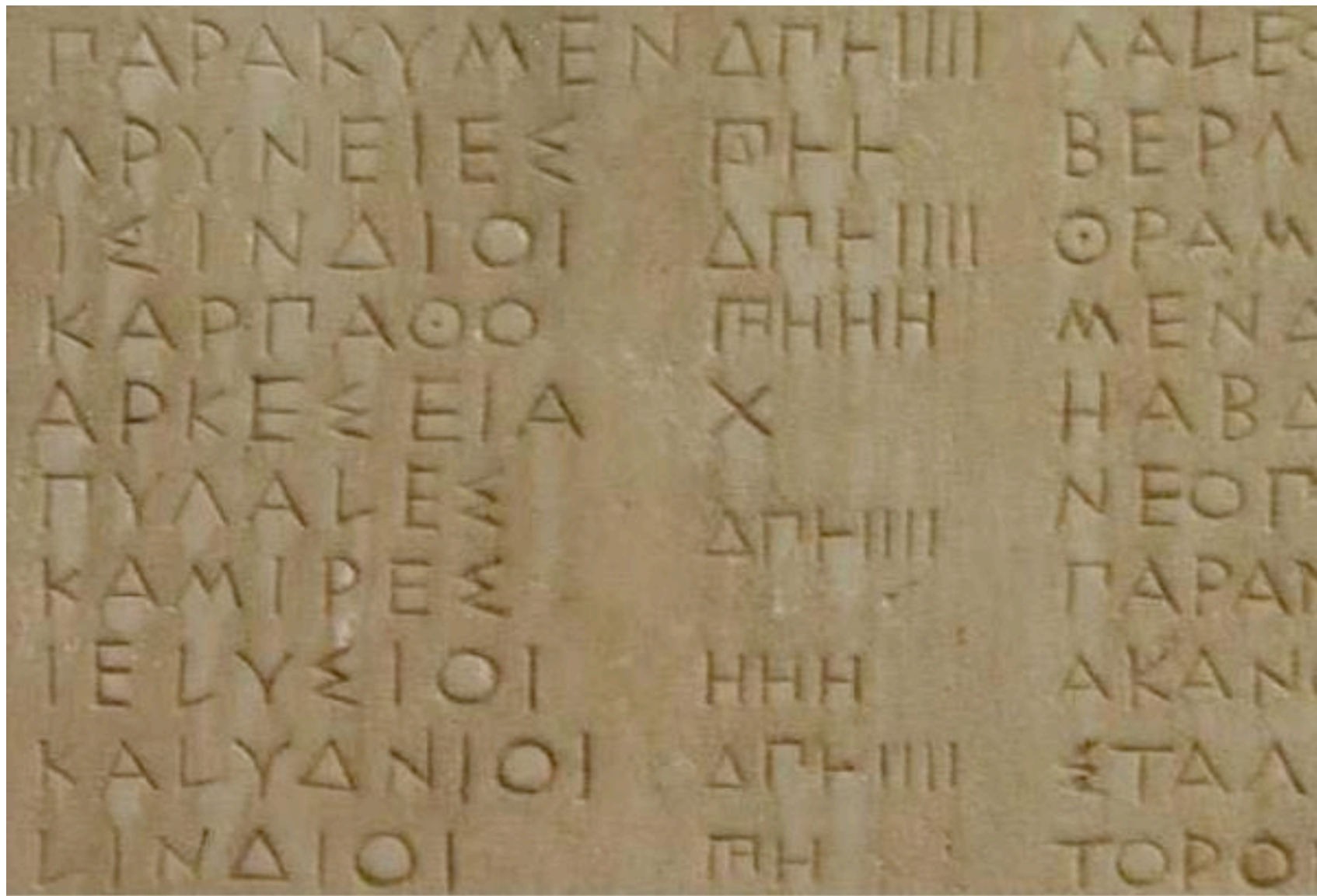
*Sunoikisis DC* – 05/12/2015



Phoros = sources for the study of Athenian Tribute  
<http://beta.hpcc.uh.edu/tomcat/phoros/>



Stele 1 right lateral face  
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Classical Owl Type A full-crest tetradrachm (17.05g, 23mm), Athens, c. 454-431 BC, Sear 2526v., Starr Pl. 22 No. 3, Svoronos Pl. 11 No. 7.



- How to write/read amounts of Money?
- How to calculate?

unit = δραχμή - drachma

### The Acrophonic system

									
50 000	10 000	5 000	1 000	500	100	50	10	5	1

Alain Schärlig, « Les moyens de calcul du comptable antique »,  
*Comptabilités* [En ligne], 6 | 2014, mis en ligne le 15 décembre 2014.

URL : <http://comptabilites.revues.org/1491>



Abacus – ABAΞ



*Vase of the Persians* Darius Painter, End of the 4th century BC  
[Musée archéologique de Naples, inv. 81947](#)

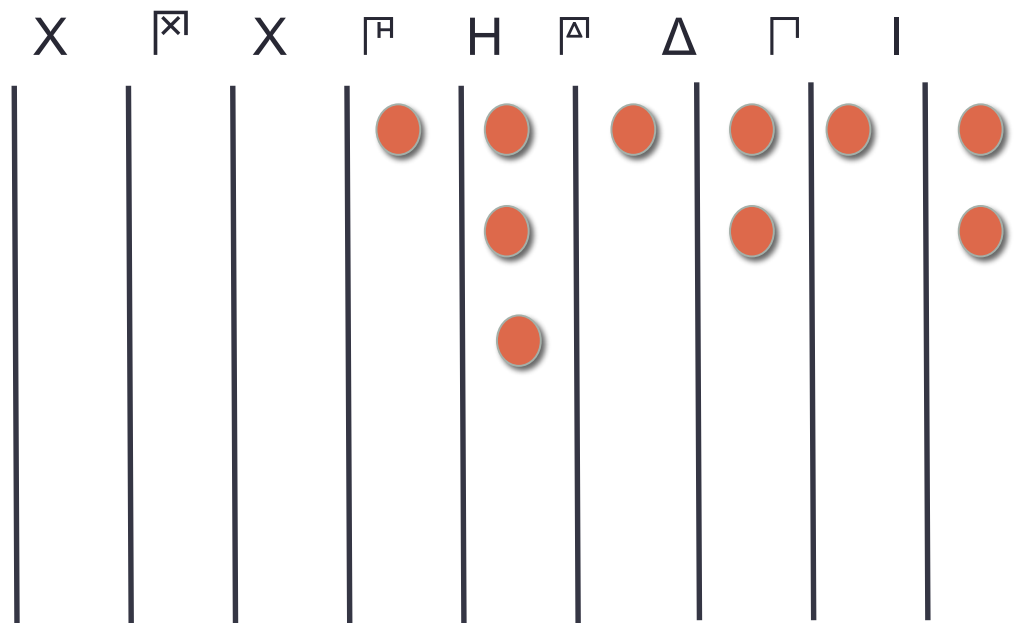
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$$\text{𐌹 𐌺 𐌺 𐌺} = 500 + 100 + 100 + 100$$

$$\text{𐌹 𐌳 𐌳} = 50 + 10 + 10$$

$$\text{𐌱 𐌹 𐌹} = 5 + 1 + 1$$

$$= 877$$



$$500 \mid 300 \mid 50 \mid 20 \mid 5 \mid 2 = 877$$



X Ϟ Η ϙ Δ Ϛ ϛ |||||

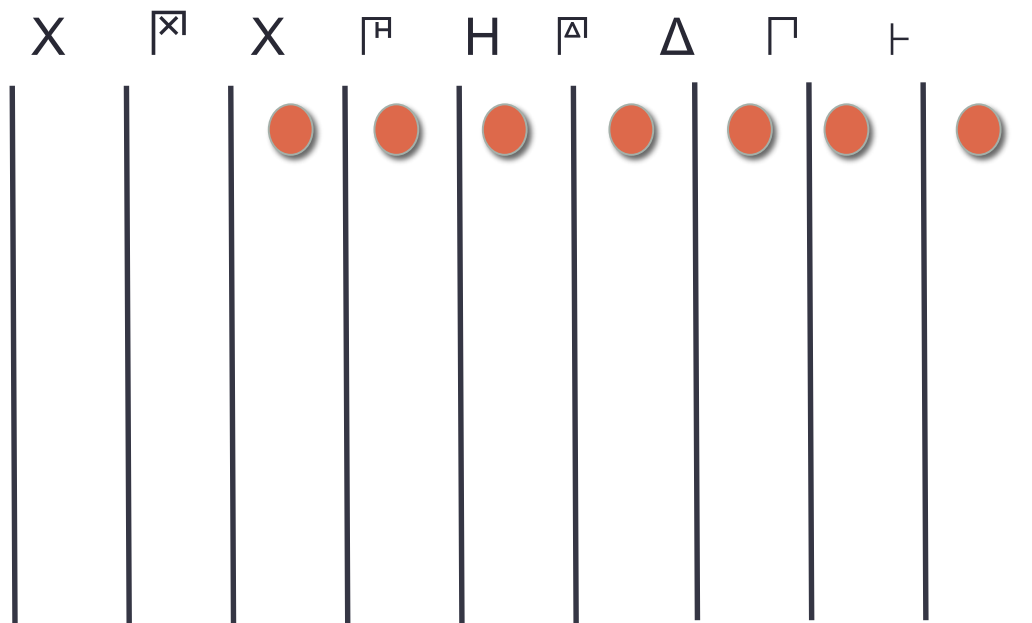
$$X \ \rho \ \text{H} = 1000 + 500 + 100 = 1600 \text{ dr}$$

$$\rho \ \Delta = 50 + 10 = 60 \text{ dr}$$

$$\rho \ \rho = 5 + 1 = 6 \text{ drachmai}$$

$$||||| = 5 \text{ oboloi}$$

$$= 1666 \text{ dr } 5 \text{ ob}$$



|||||| = T

6 obols = 1 drachma

||||| = 5

1000 | 500 | 100 | 50 | 10 | 5 | 1 = **1666 dr 5 ob**