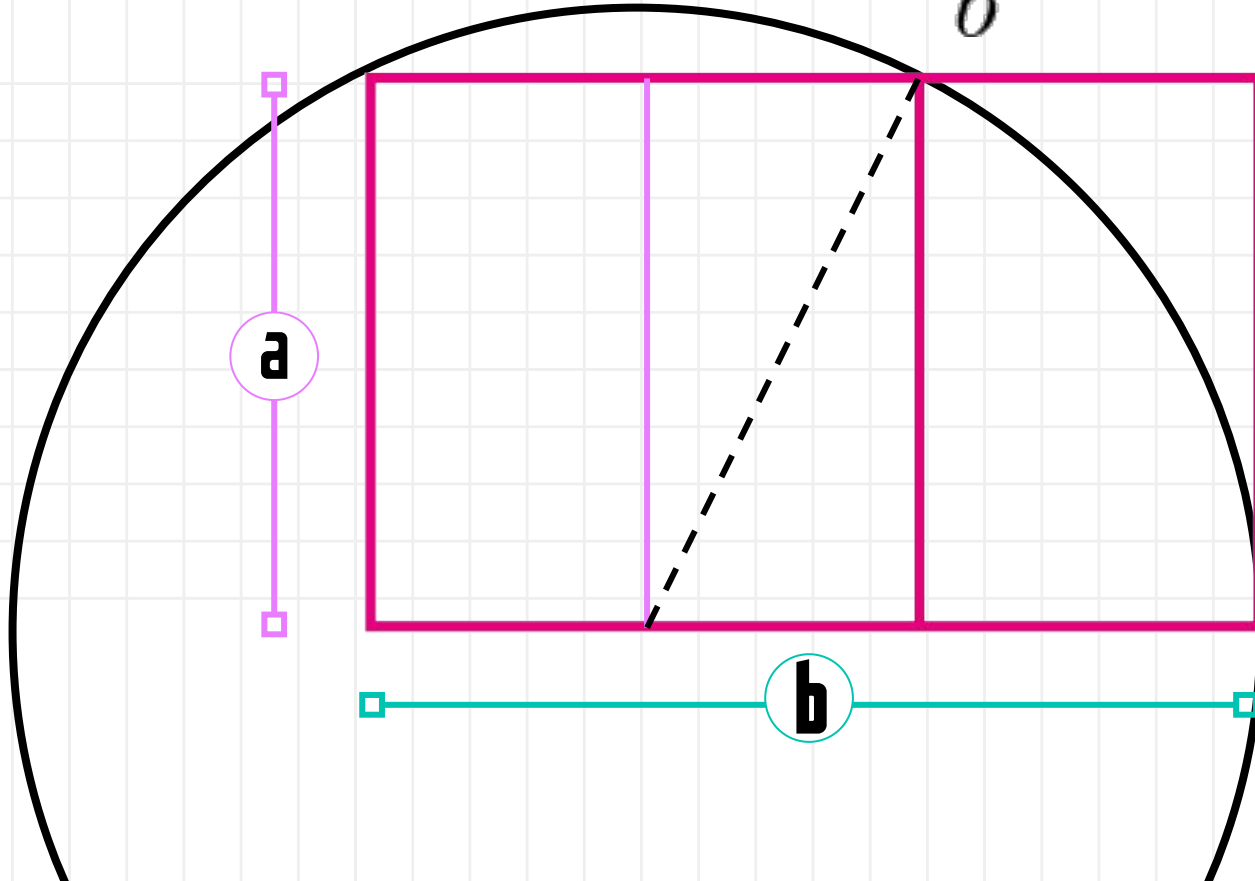
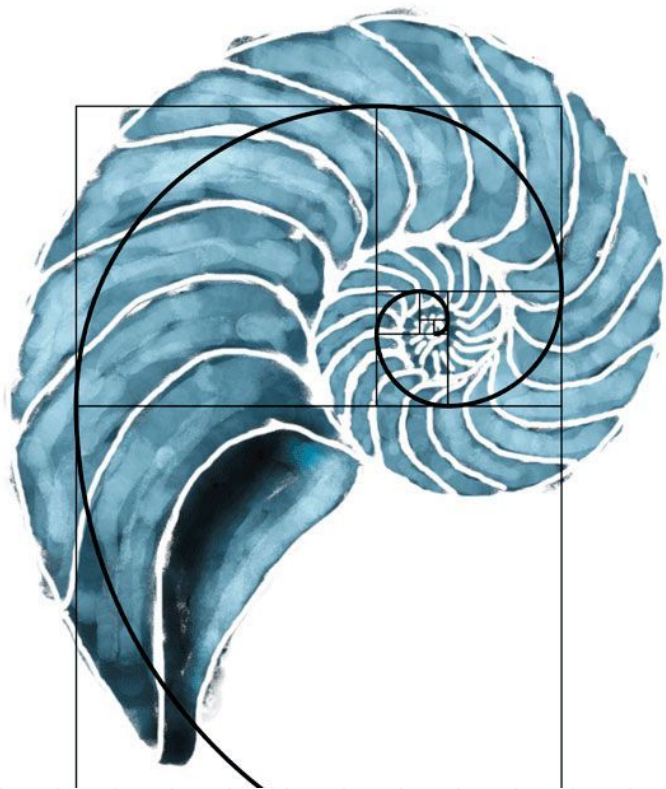
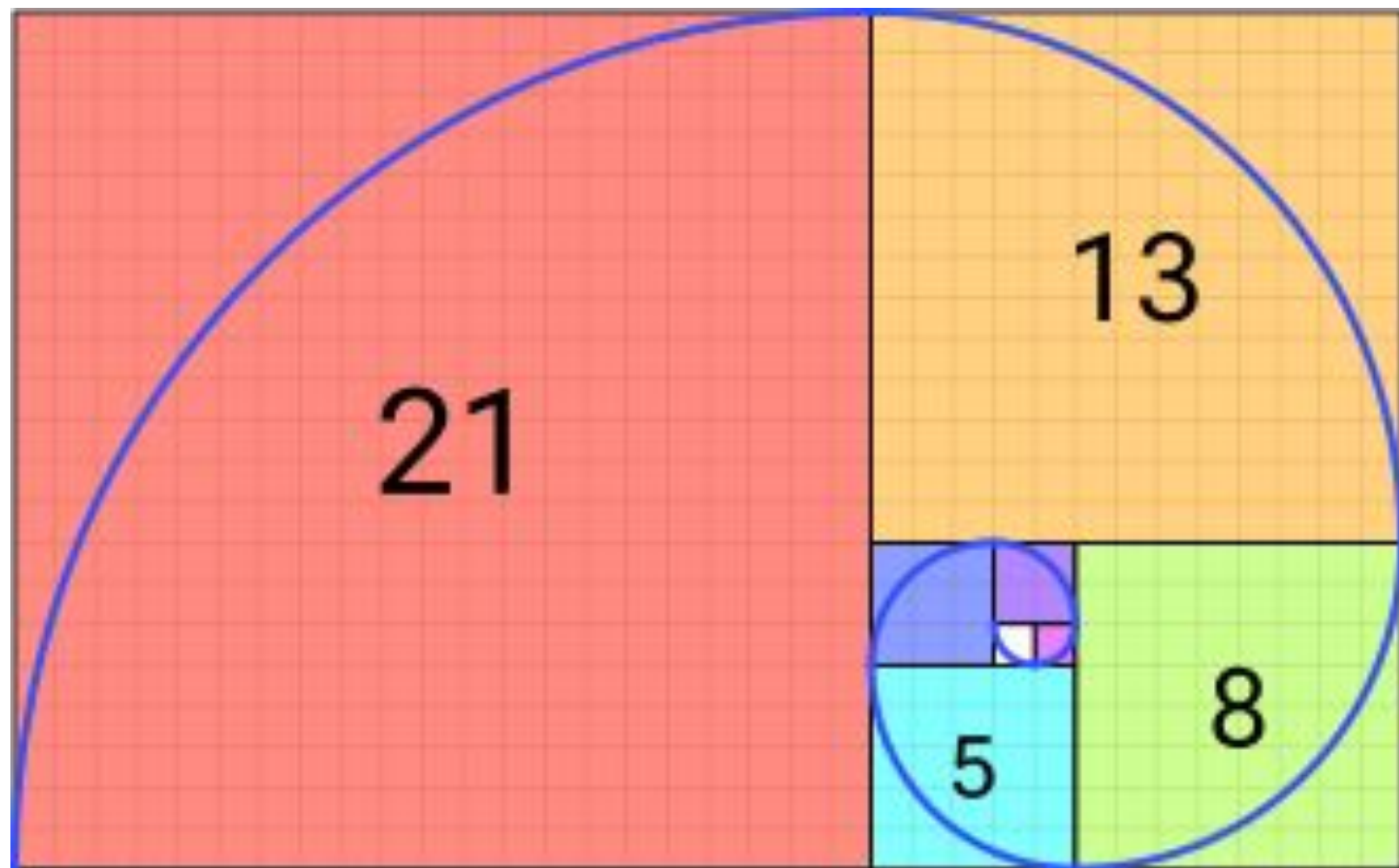


$$\varphi = \frac{a}{b}$$



Espiral de Fibonacci







Item aut accipit aliquem quidamque partem cuiusmodi sit

Beginning of *Liber quadratorum* by Leonardo Pisano. From "Il Libro dei Quadrati di Leonardo Pisano" in *Physis: Revista Internazionale di Storia della Scienza*, 1979, p. 197. Reprinted with permission of the author, Ettore Picutti.

Beginning of *Liber quadratorum* by Leonardo Pisano
Leonardo Pisano" in *Physis: Revista Internazionale di Storia
Reprinted with permission of the author, Ettore Picutti.*

[illegible]

500 a.C.



Tablilla de Salamina
(300 a.C.)



Cálculos



Ábaco de
de mano

500



Ápices



Tablero de
monedas

1000



Khipu



Suan-pan
Suan-pan
(1200)

1500



Tablero de
líneas
(1400)



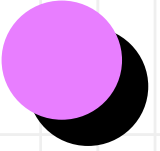
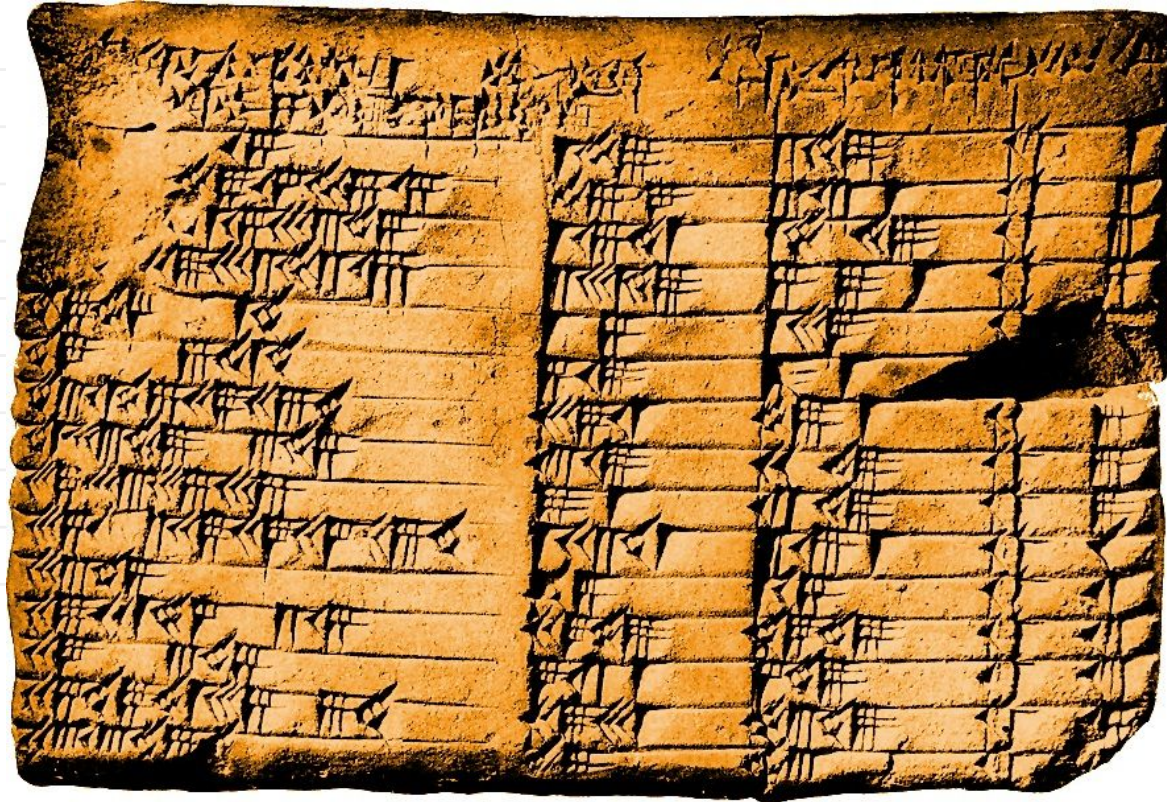
Schoty
(1600)

Presente

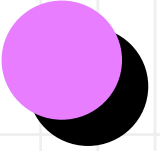


Soroban
(1930)

Plimpton 322



Tablilla de Salamina 300 a.C.

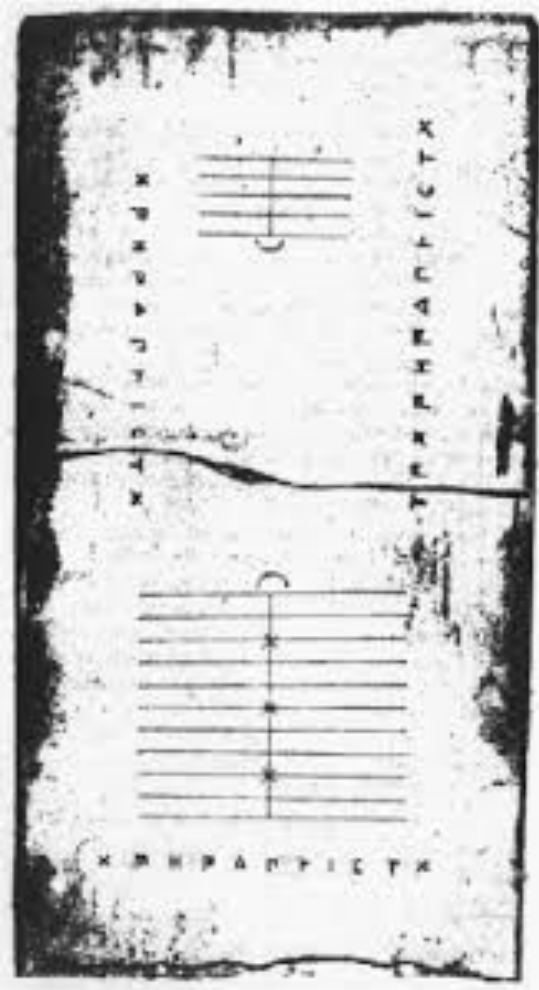
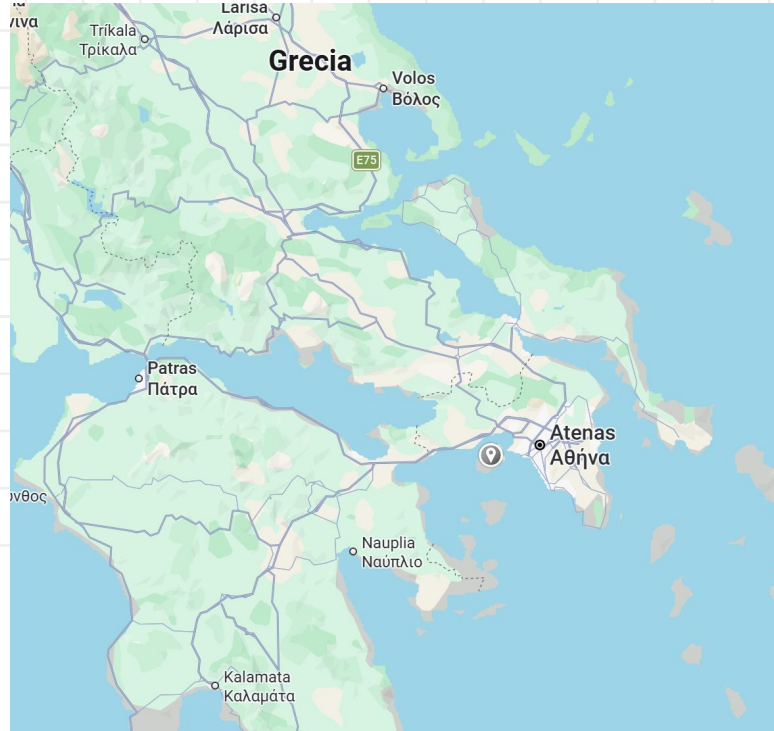


Mármol

150 × 75 × 4.5 cm

Sistema
acrofónico

1846



Π	Δ	Η	Χ	Μ				
Pente	Deka	Hekaton	Khilioi	Murioi				
Πεντε	Δεκα	Ηεκατον	Χιλιοι	Μυριοι				
5	10	100	1000	10000				
I	II	III	IIII	Π	ΠI	ΠII	ΠIII	ΠIIII
1	2	3	4	5	6	7	8	9
Δ	Π	Η	Π					
10	50	100	500					
	Χ	Π	Μ	Π				
	1000	5000	10000	50000				

Α	Β	Γ	Δ	Ε	Ϛ	Ζ	Η	Θ
α	β	γ	δ	ε	ς	ζ	η	θ
1	2	3	4	5	6	7	8	9

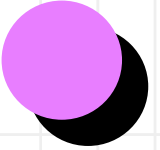
Ι	Κ	Λ	Μ	Ν	Ξ	Ο	Π	Ϛ
ι	κ	λ	μ	ν	ξ	ο	π	ϛ
10	20	30	40	50	60	70	80	90

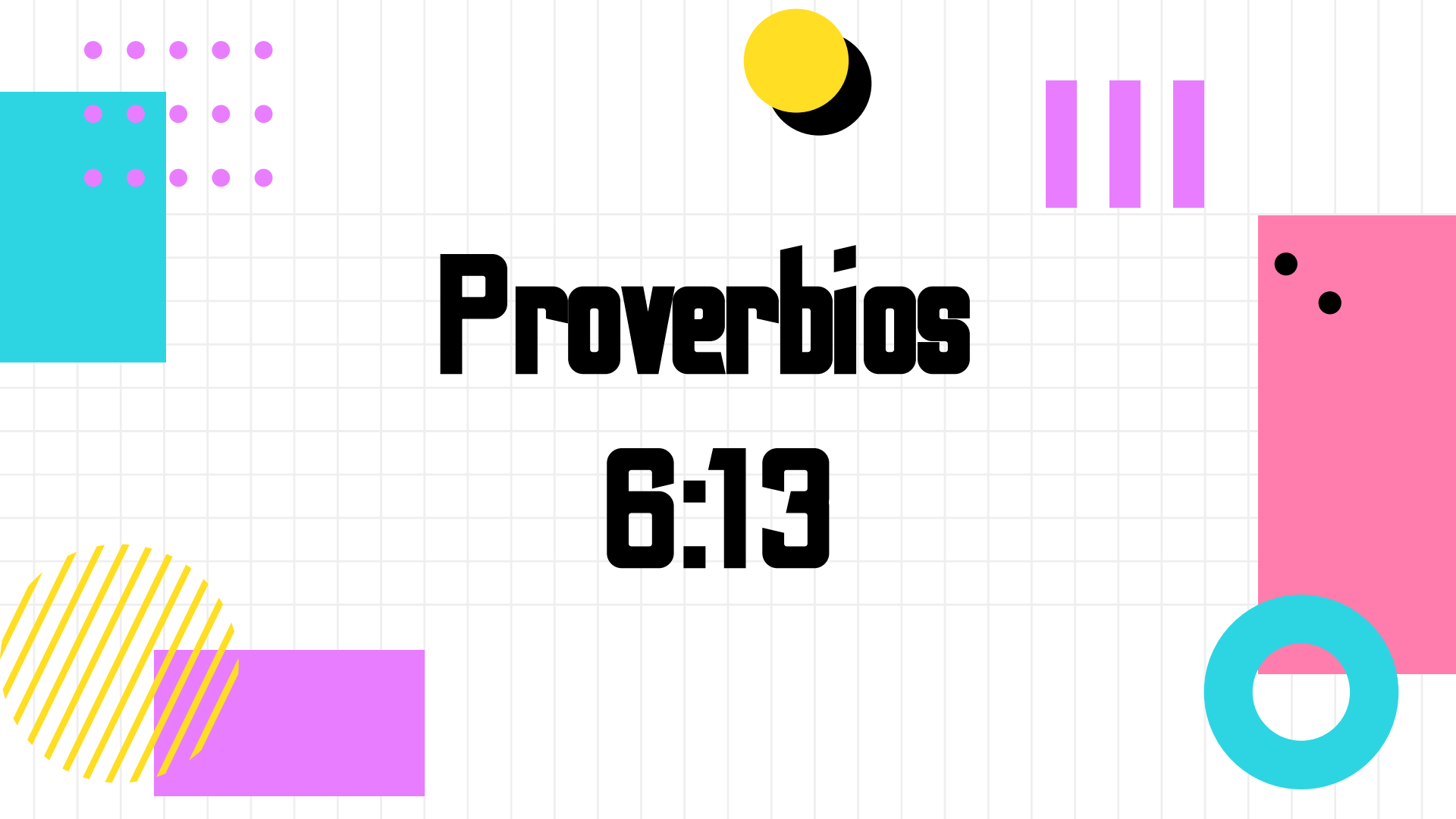
Ρ	Σ	Τ	Υ	Φ	Χ	Ψ	Ω	ϯ
ρ	σ	τ	υ	φ	χ	ψ	ω	Ϝ
100	200	300	400	500	600	700	800	900

Ábaco de bolsillo



12 x 8 cm

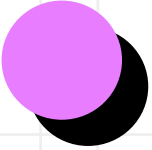




Proverbios

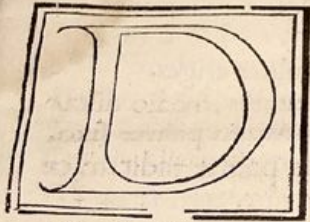
6:13

Beda el venerable



LV
VENERABILIS BEDÆ PRESBYTE/
RI TRACTATVS DE COMPV/
TO, VEL LOQ VELA PER
GESTVM DIGI/
TORVM.

c. 672-735



DE TEMPORVM Ratione, Do-
mino iuuante, dicturi necessariuz duxi/
mus, vtilissimā primo, p̄mptissimā q̄
flexus digitorū paucis pr̄monstrare so-
lertiam. vt, cum maximā computādi fa-
cultatem dederimus, tum p̄mptiores le-
gentium ingenio ad inuestigādā, dilu-
cidandā q̄ computando seriem tempore ueniamus. Neq̄
enim contēnenda, paruipēdendā q̄ est Regula, cuius omnes
penē Sacre expositores Scripturæ nō minus, q̄ literarū figuras
monstratur amplexi. Deniq̄ & multi alii alias, & ipse Diuinæ
interpres Historiæ Hieronymus in Euangelicæ tractatu sen-
tentia huius ad iumētum disciplinæ non dubitauit assumere.
Cētesimus inquit, & Sexagesimus, & Trigessimus fructus, q̄q̄
de vna tera, & de vna semēte nascatur, tñ multum differt in nu

Hier. in
Iouin.
lib. i.

Ábaco de Gerberto

ċ	x̄	ī	ċ	x̄	ī
				1	2
				8	1
		5		1	2
5			1	2	
			1	2	2
1				1	1

Fig. 241. – Le principe de représentation des nombres entiers au moyen des apices sur l'abaque perfectionné de Gerbert et ses disciples (sur cet abaque, comportant 27 colonnes réunies de trois en trois, les apices prenaient une valeur de position variant selon la colonne où ils étaient disposés ; de plus, l'absence d'unités d'un certain rang y était signifiée en laissant vide la colonne correspondante).

(Apices - Limoges avant 1030)

Gerberto de Aurillac (Papa Silvestre II)

Finales del siglo X