



ΤΕΧΝΗ ΚΑΙ ΜΑΘΗΜΑΤΙΚΑ

*Το Γεωμετρικό Σχήμα, η Συμμετρία και τα
Πολύεδρα*

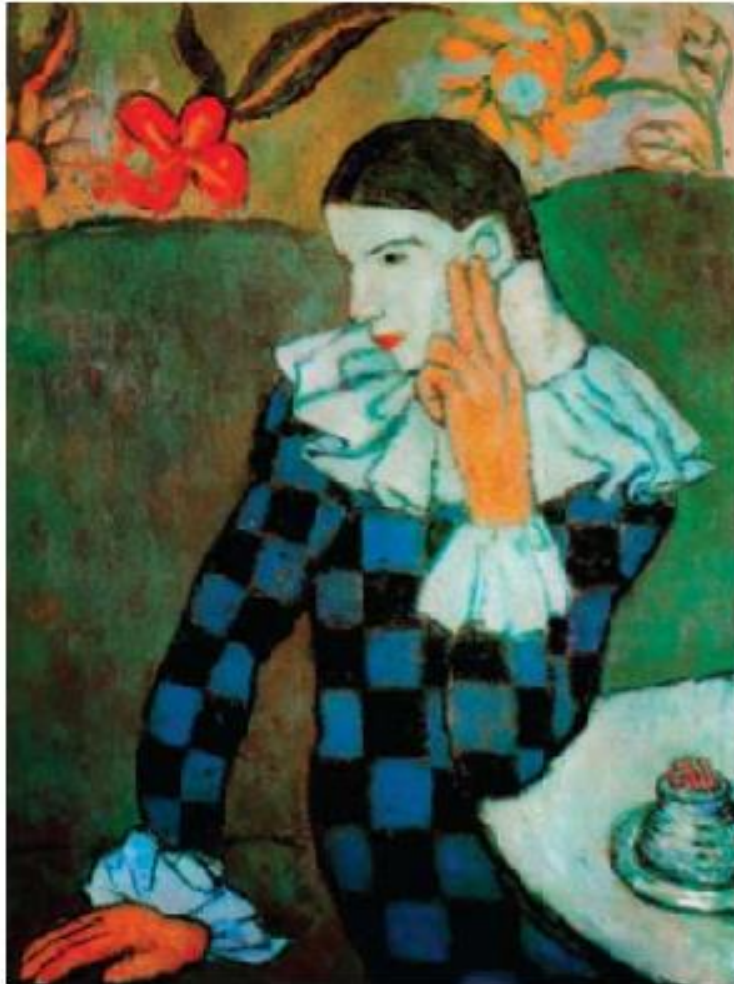
στην Τέχνη και τα Μαθηματικά

ΑΡΗΣ ΜΑΥΡΟΜΜΑΤΗΣ – ΑΠΟΣΤΟΛΗΣ ΠΑΠΑΝΙΚΟΛΑΟΥ
ΚΑΘΗΓΗΤΕΣ-ΕΡΕΥΝΗΤΕΣ ΤΗΣ ΔΙΔΑΚΤΙΚΗΣ ΤΩΝ ΜΑΘΗΜΑΤΙΚΩΝ

ΔΡΑΣΤΗΡΙΟΤΗΤΑ 1^η

«Γεωμετρικά Σχήματα (ορισμοί)»

Pablo Picasso



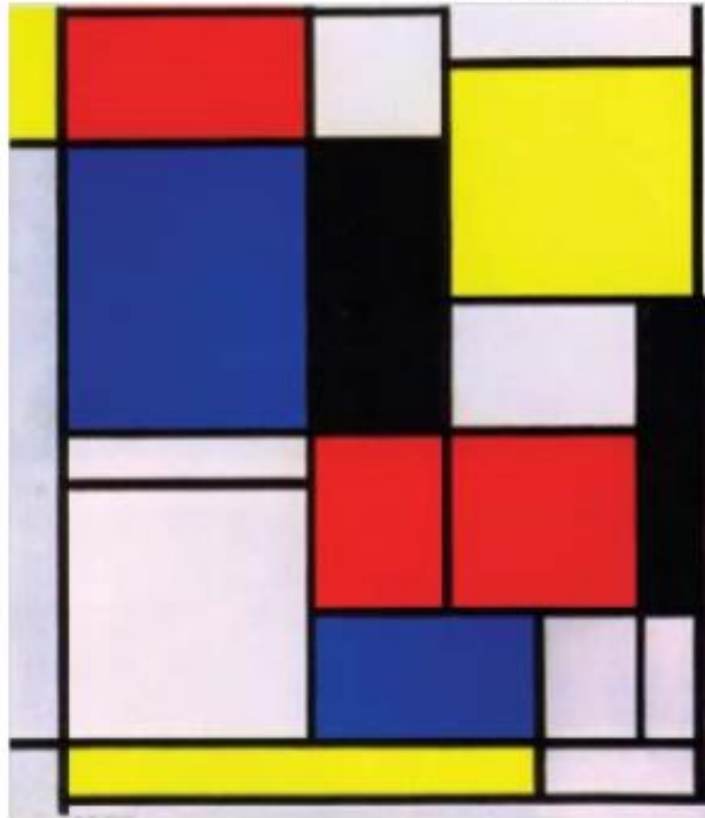
Josef Albers



Salvador Dalí



Piet Mondrian



So|LeWitt



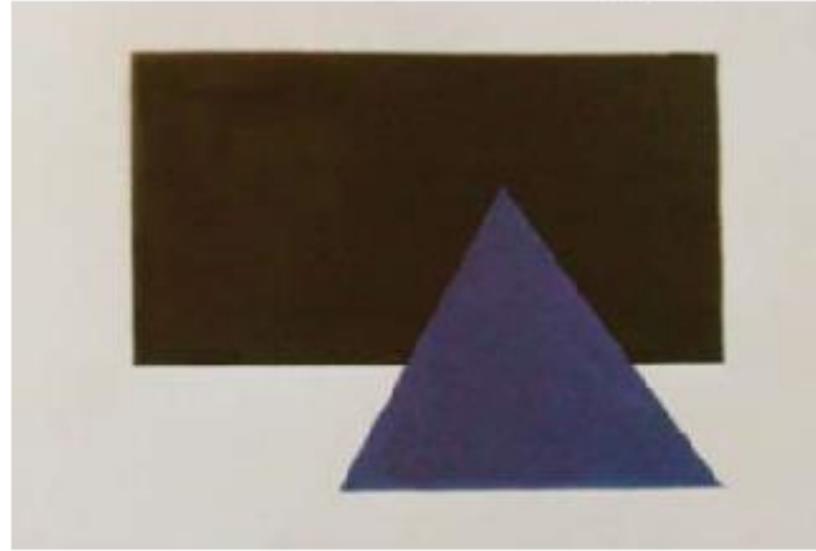
Jacky Quetard kai Sanae Kushiiki





Paul Klee

Kazimir Malevich



Francisco Goya





Pierre-Auguste Renoir

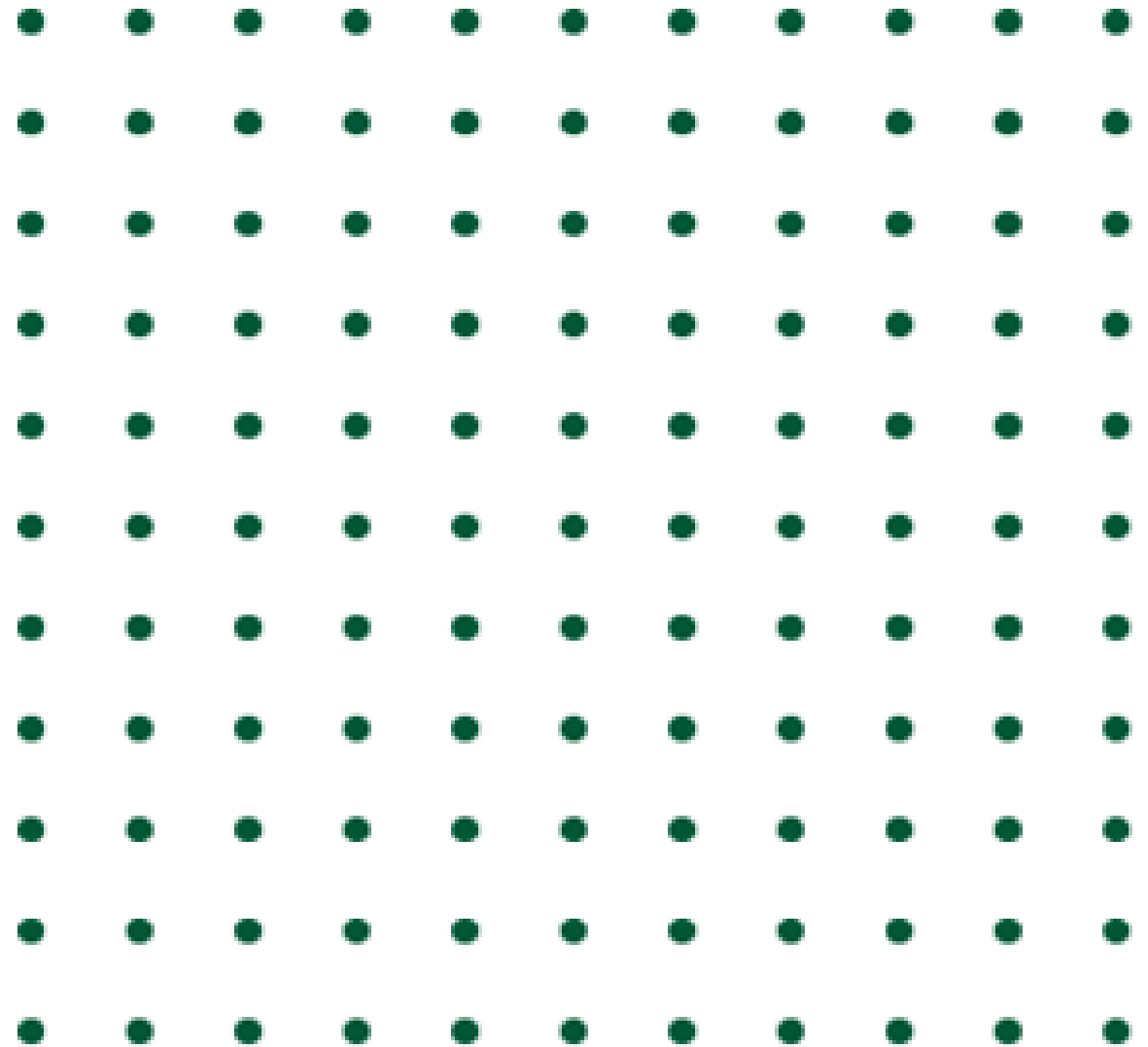
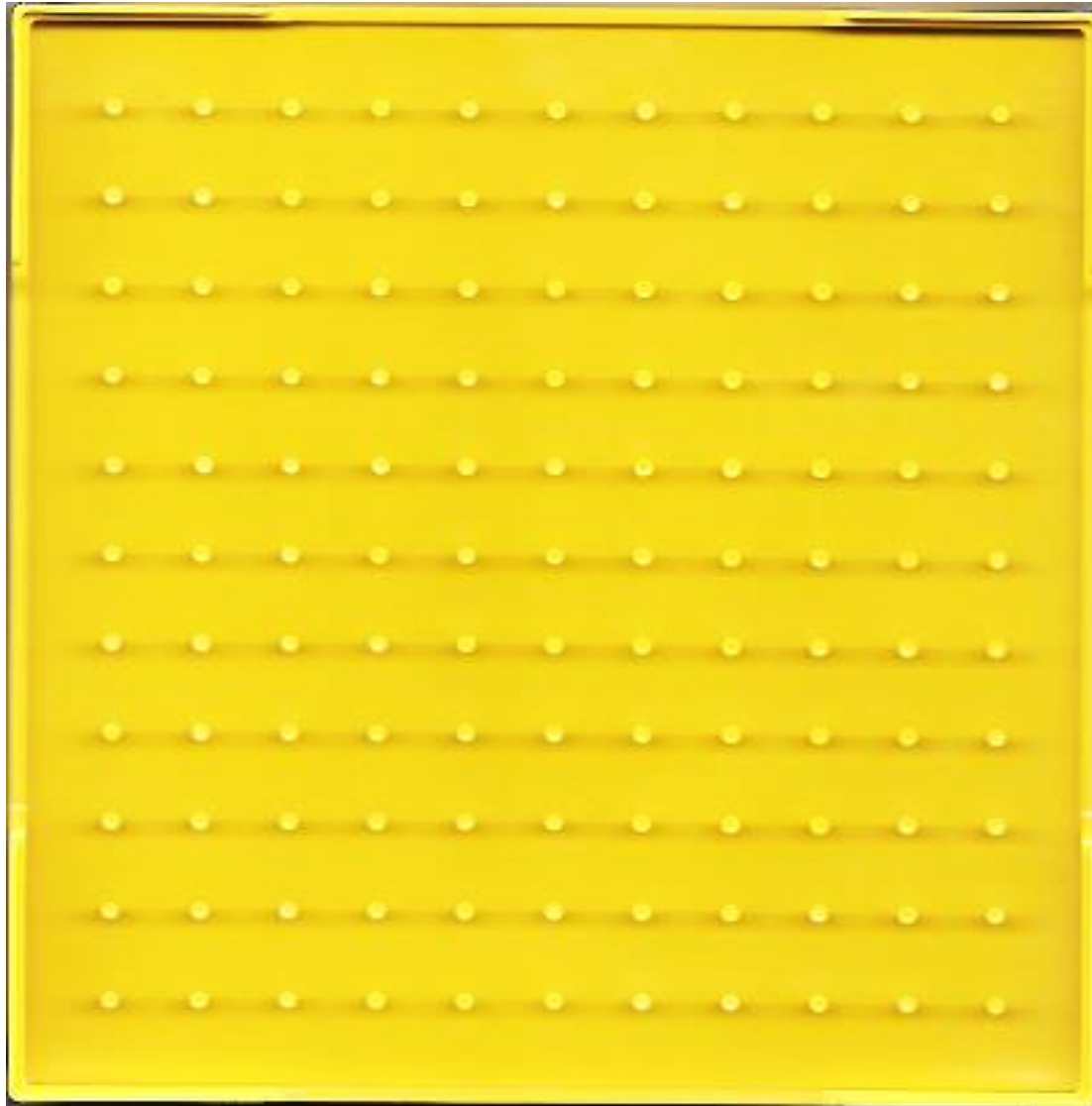
Andrew Salgado



Joanne Mattera



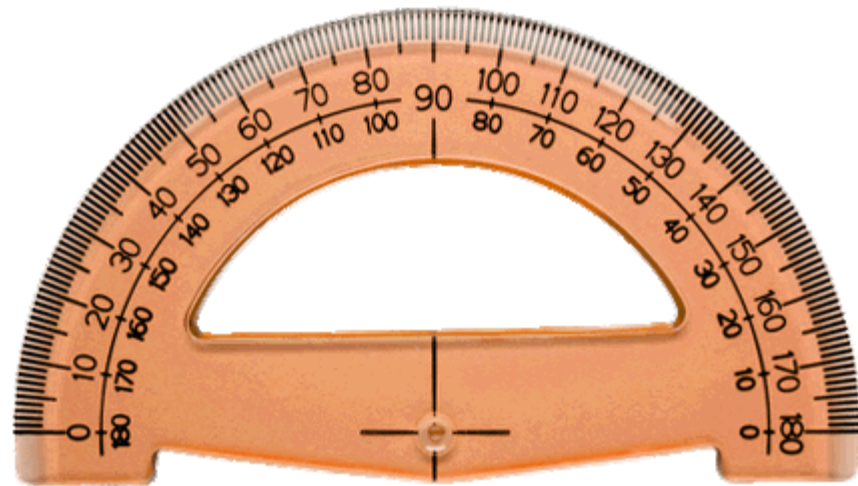
ΟΡΘΟΚΑΝΟΝΙΚΟΣ ΓΕΩΜΕΤΡΟΠΙΝΑΚΑΣ



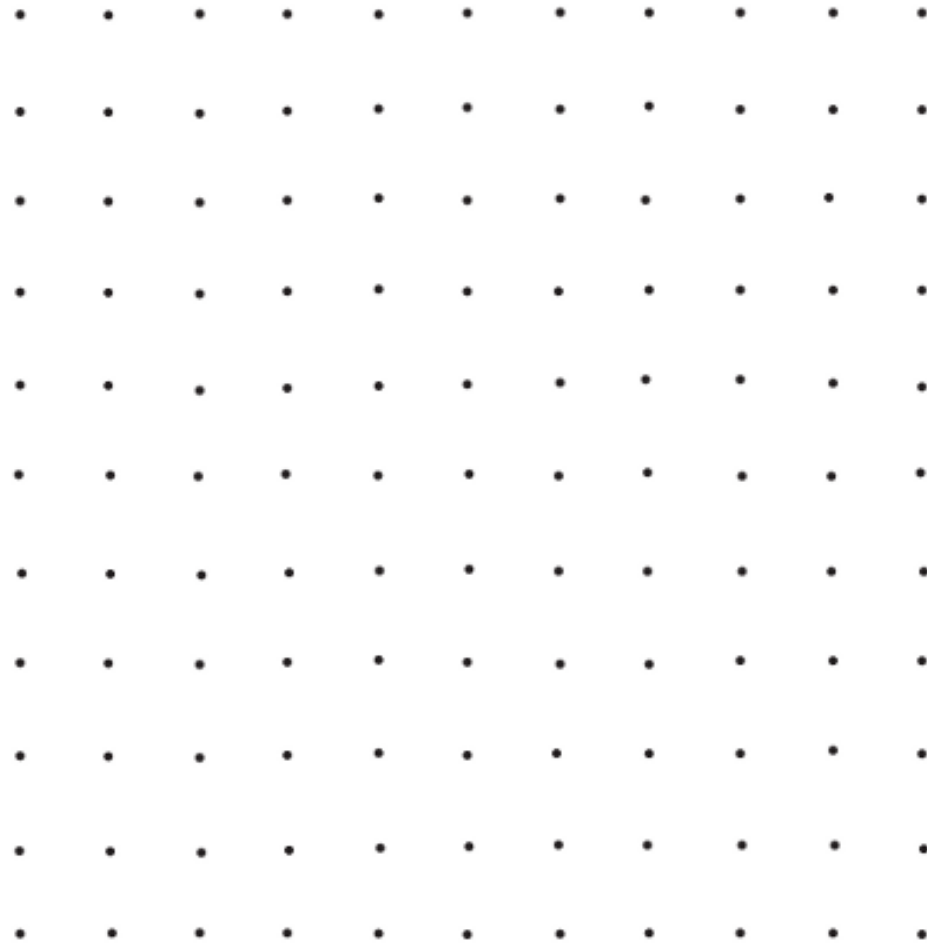
*Εδώ γράψε το όνομα
του σχήματος*

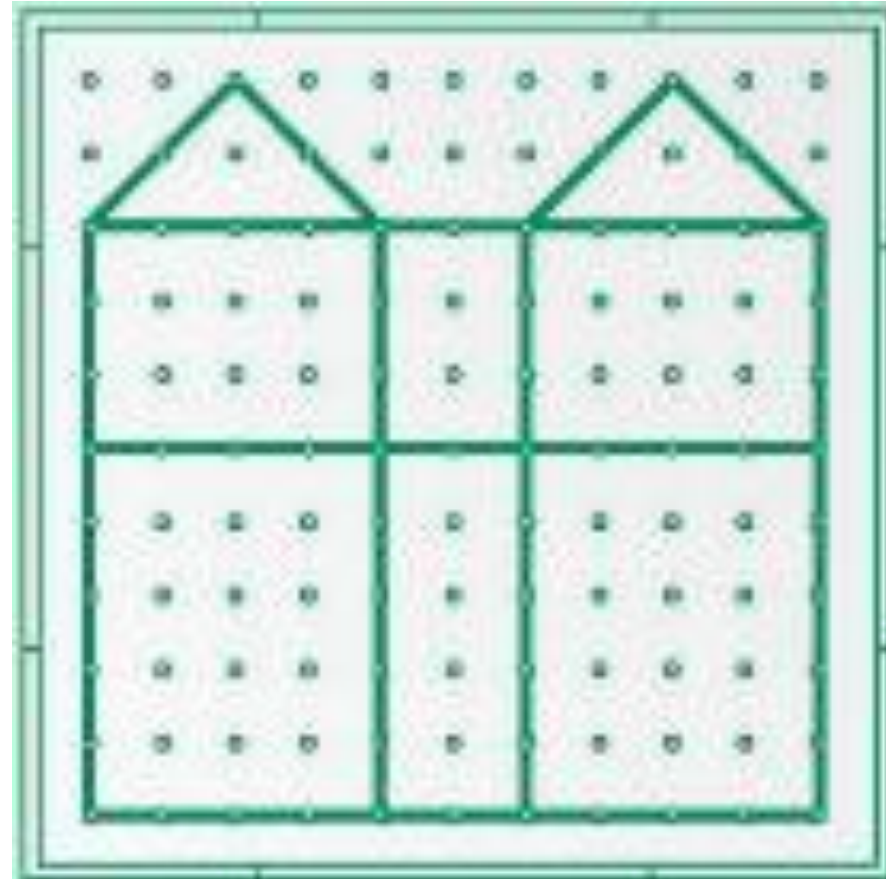
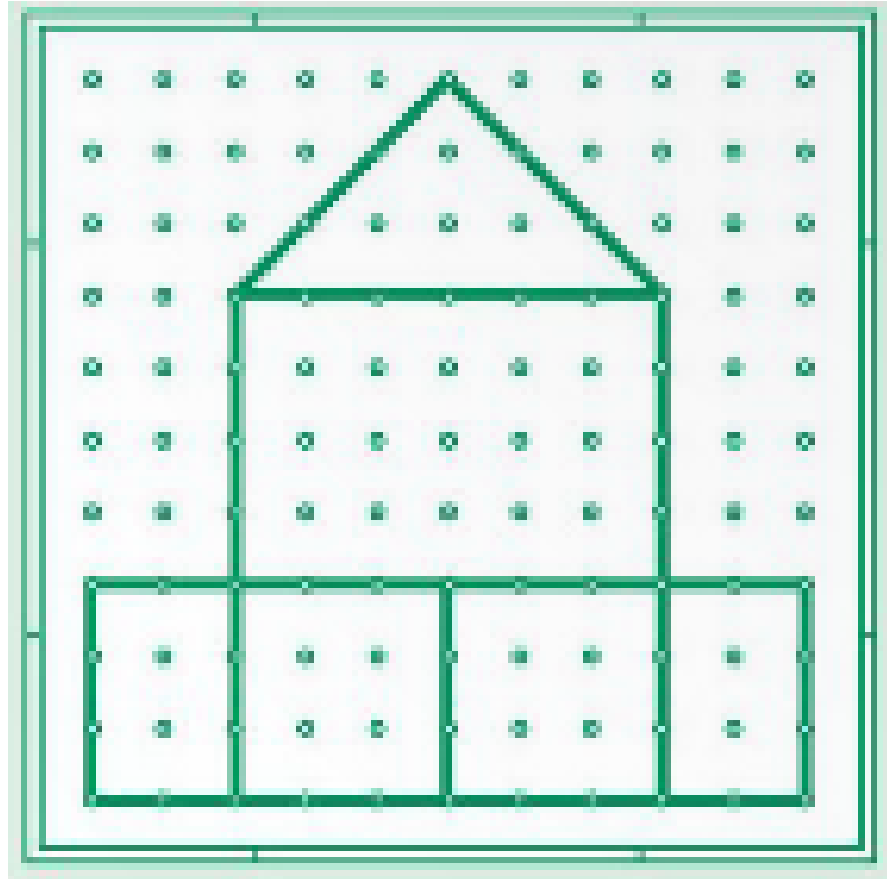
**"Ορίζουμε ως.....το σχήμα
που έχει
.....πλευρές.....
.....γωνίες"**

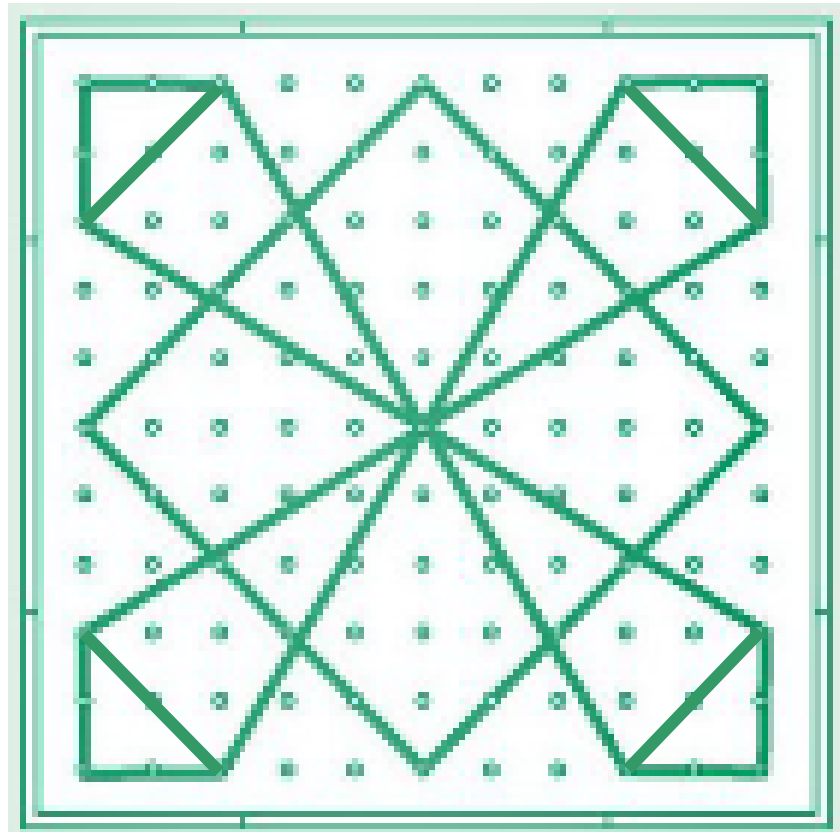
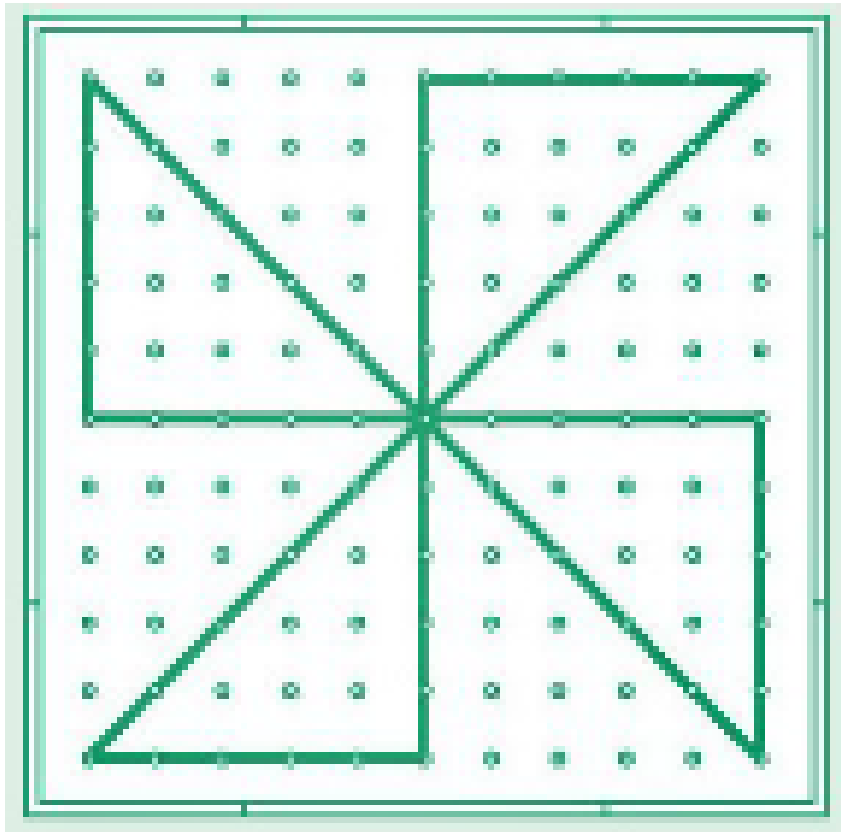
*Εδώ γράψε τις ιδιότητες
του σχήματος*



ΟΡΘΟΚΑΝΟΝΙΚΟΣ ΓΕΩΜΕΤΡΟΠΙΝΑΚΑΣ





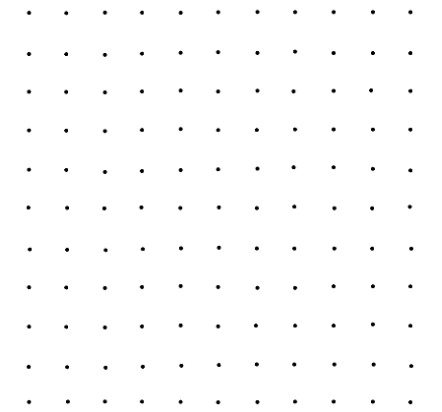
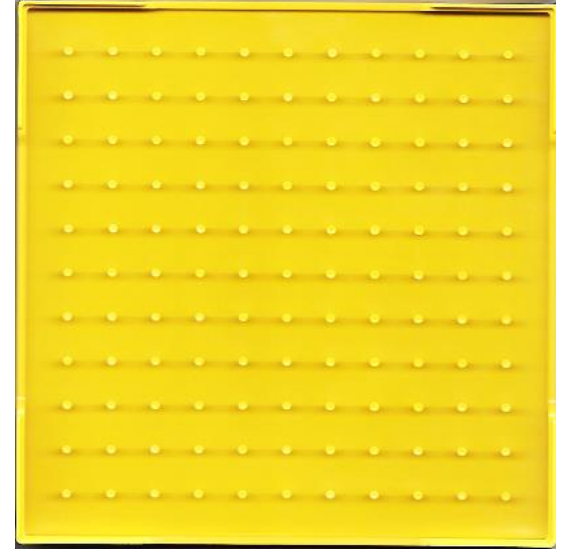


ΔΡΑΣΤΗΡΙΟΤΗΤΑ 2^η

«Αξονική Συμμετρία»

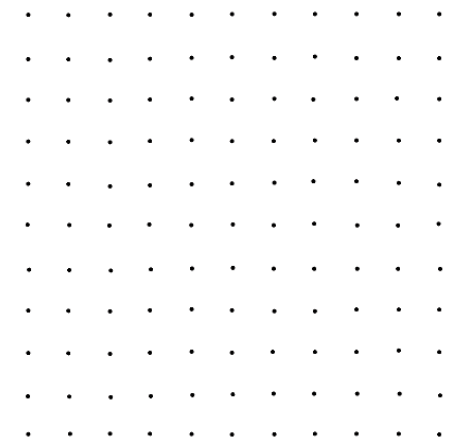
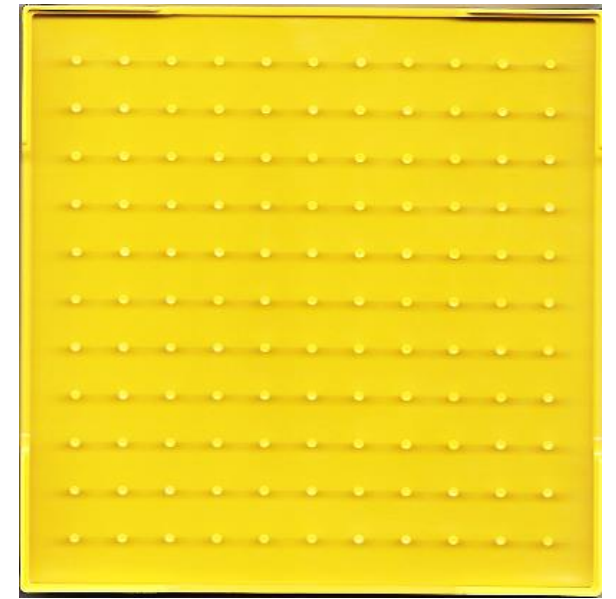
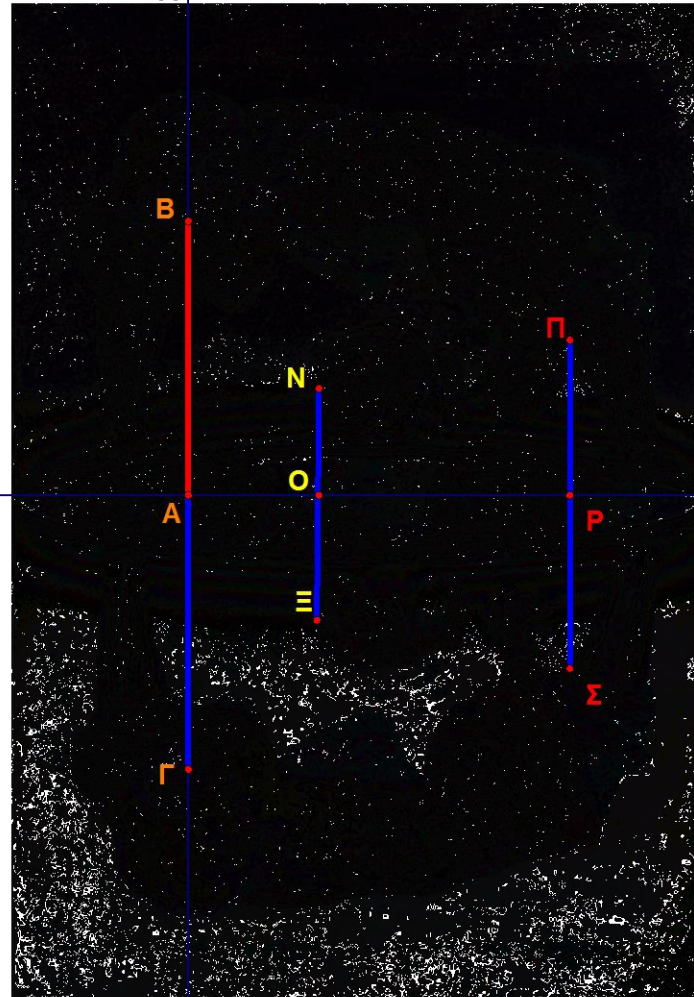


CARAVAGGIO
"Narcissus"



μέτρο $\overline{AB} = 3,60$ εκ.

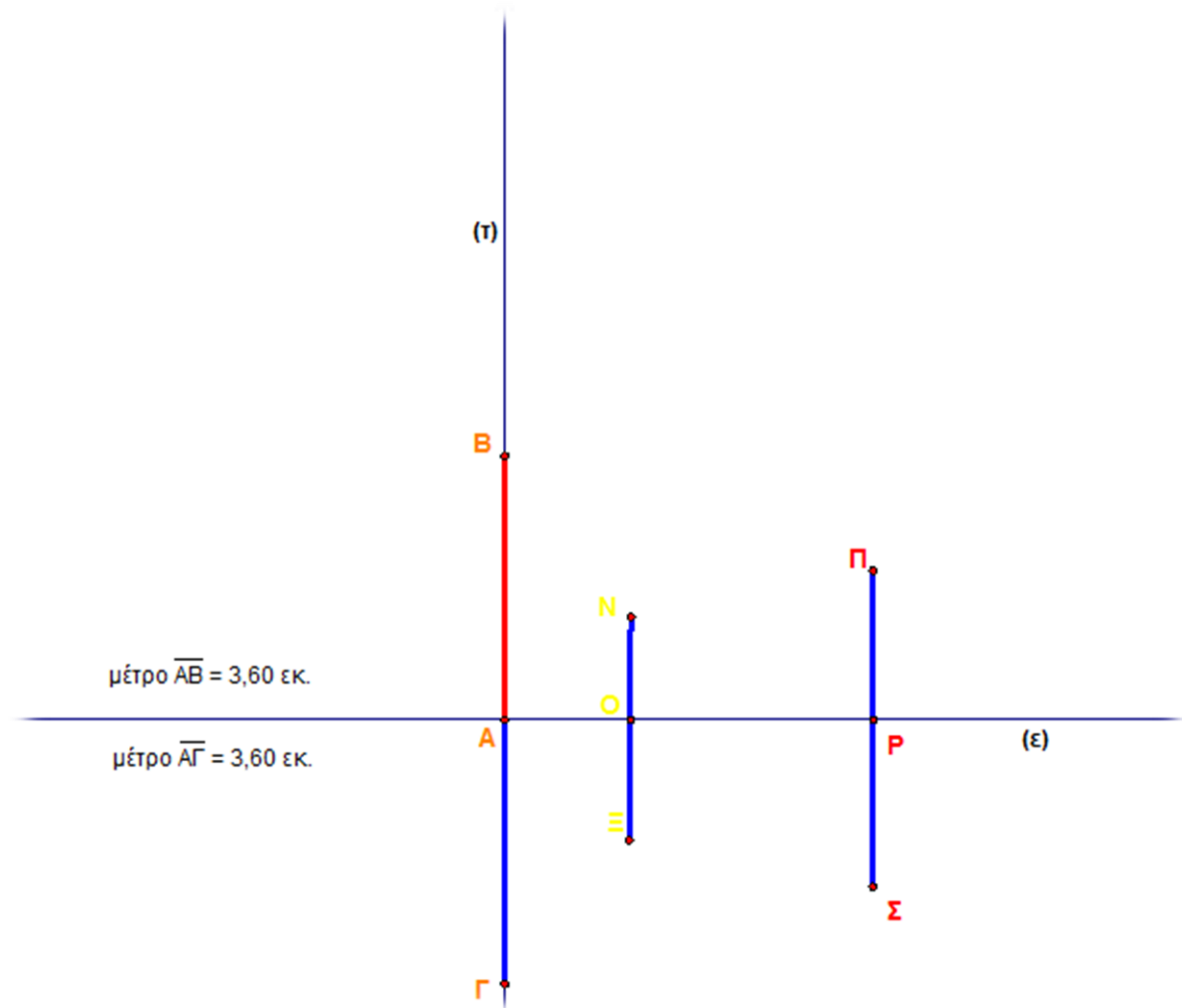
μέτρο $\overline{A\Gamma} = 3,60$ εκ.



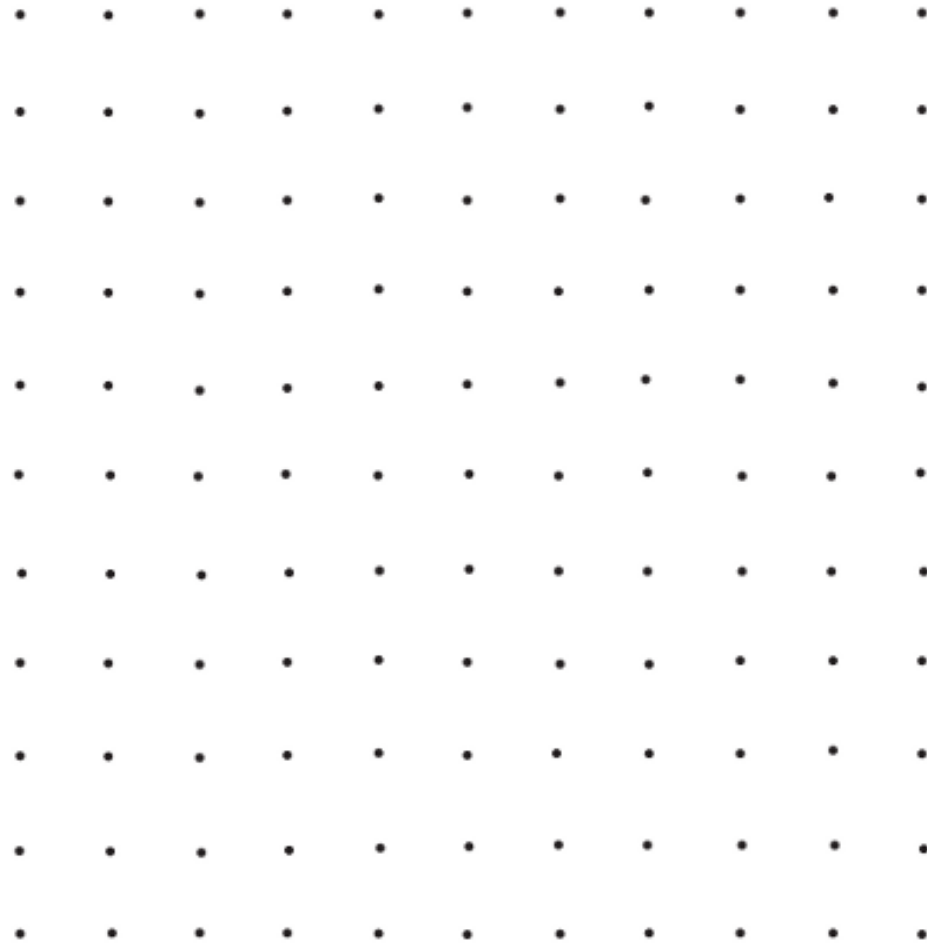


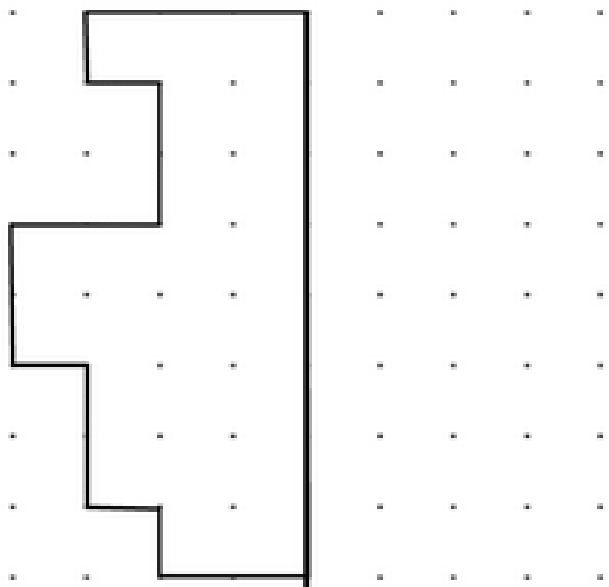
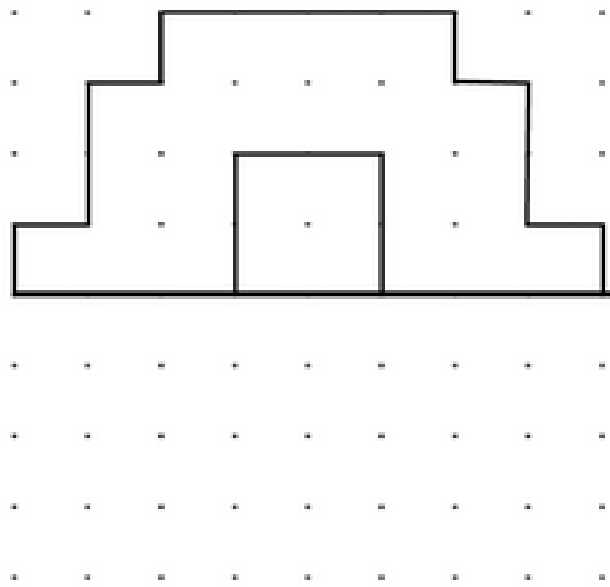
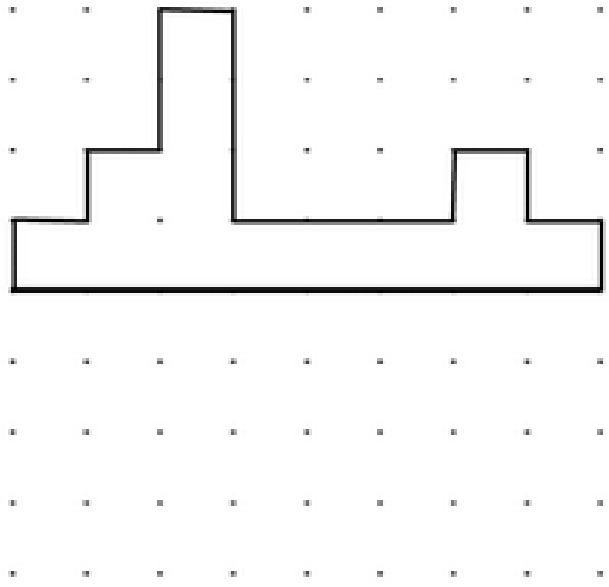
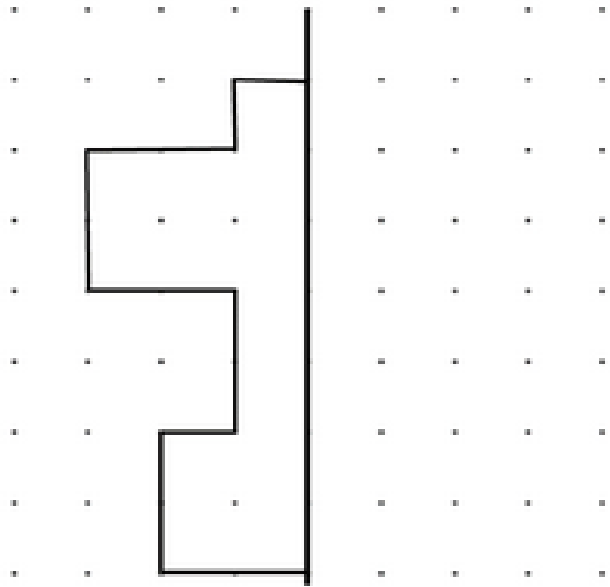
μέτρο $\overline{AB} = 3,60$ εκ.

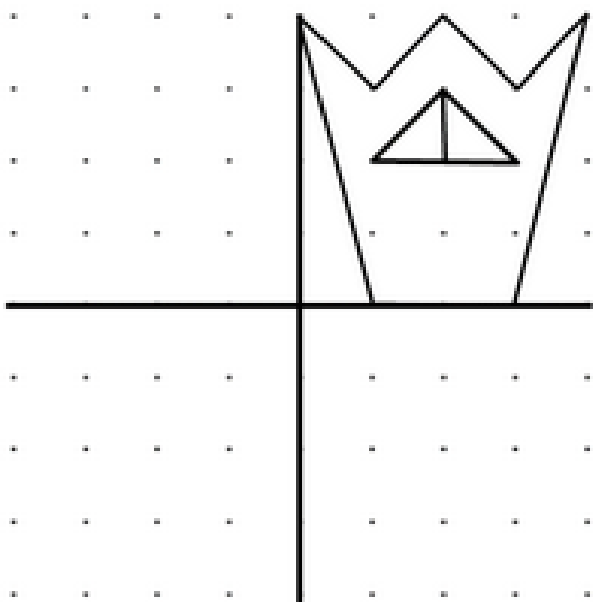
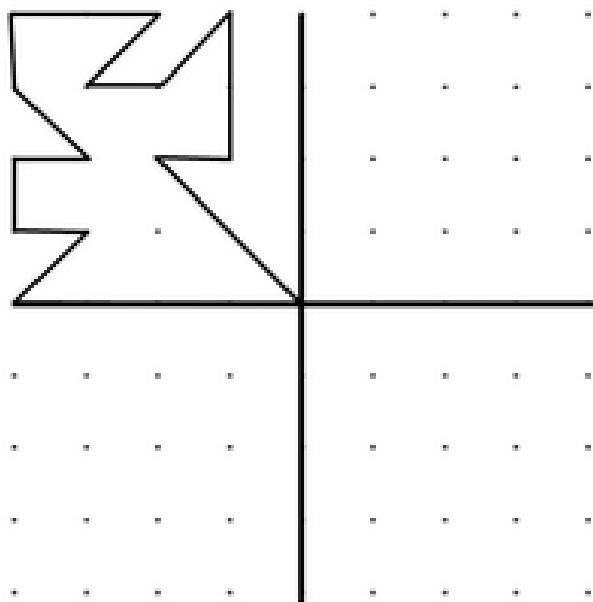
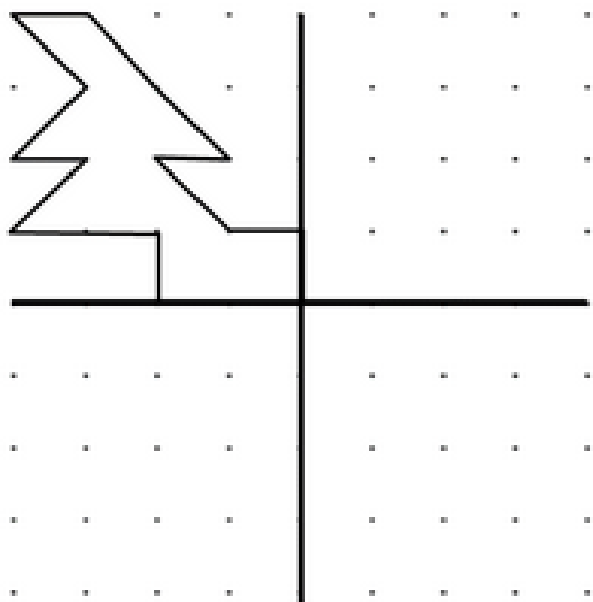
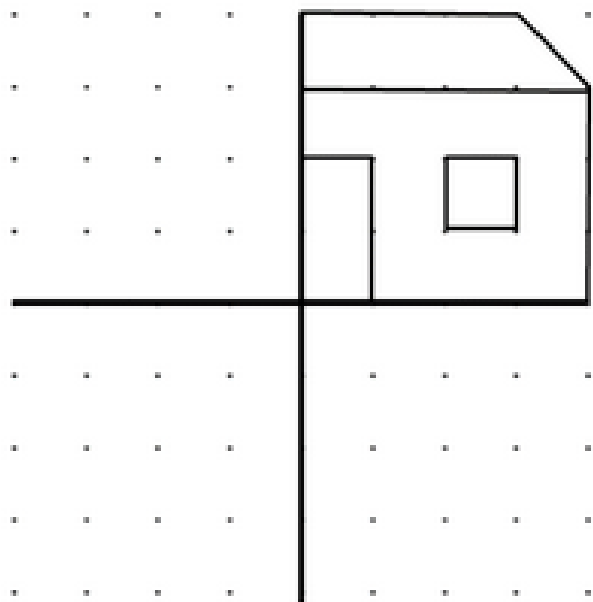
μέτρο $\overline{AG} = 3,60$ εκ.



ΟΡΘΟΚΑΝΟΝΙΚΟΣ ΓΕΩΜΕΤΡΟΠΙΝΑΚΑΣ

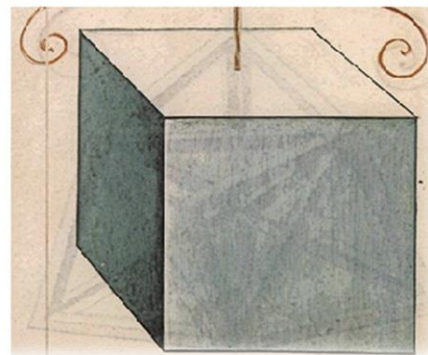
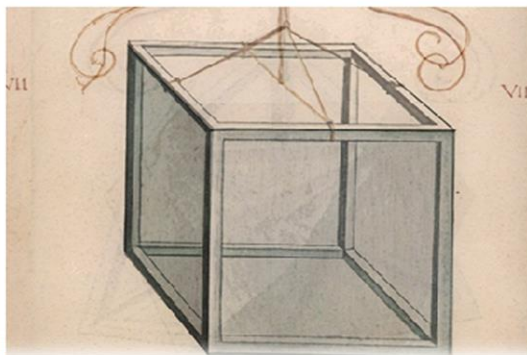
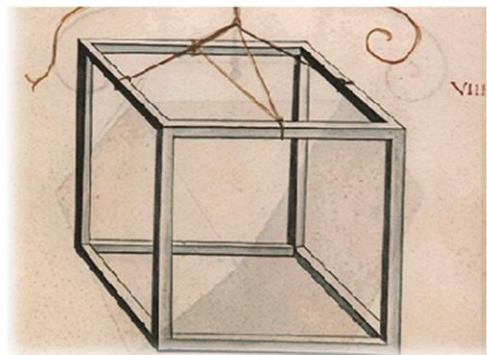
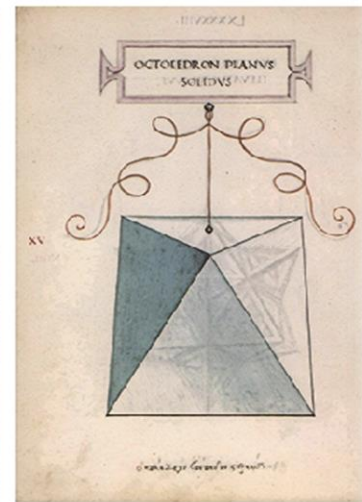
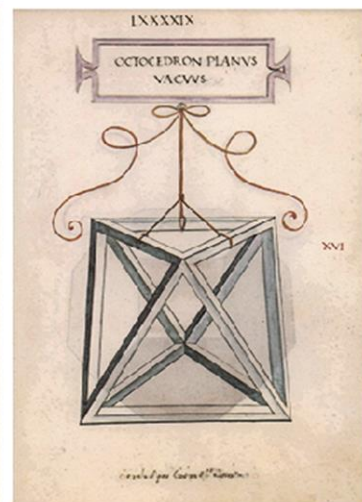
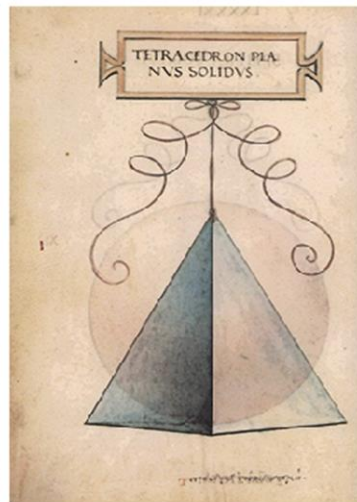
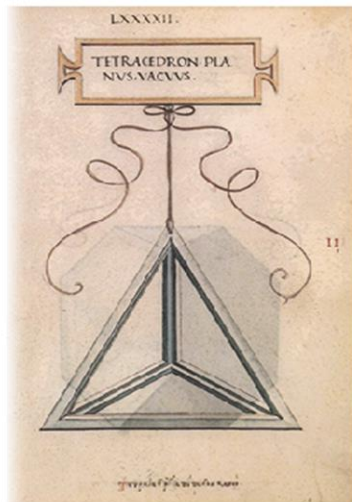
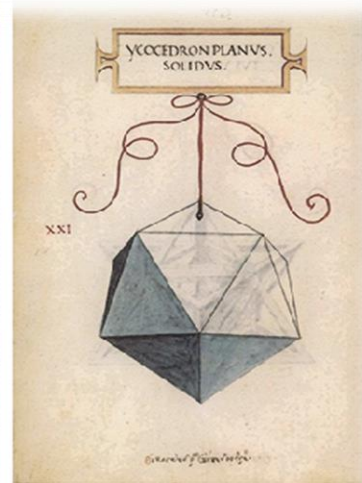
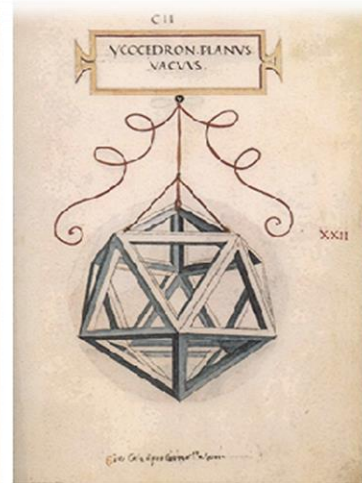
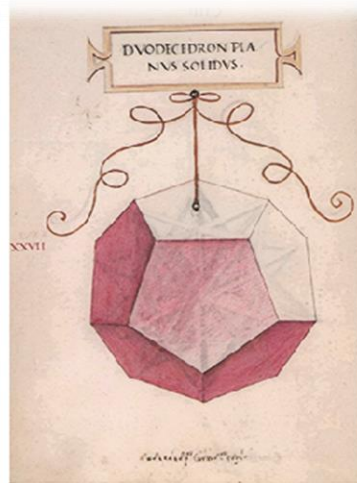
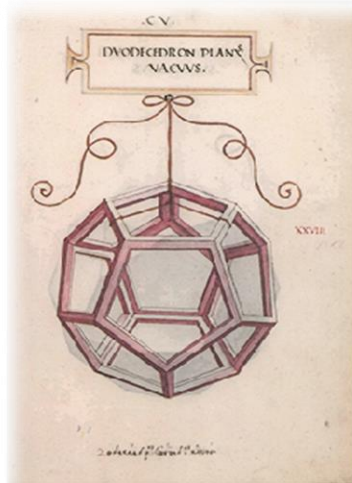






ΔΡΑΣΤΗΡΙΟΤΗΤΑ 3^η

«Γεωμετρικά Στερεά (πολύεδρα)»

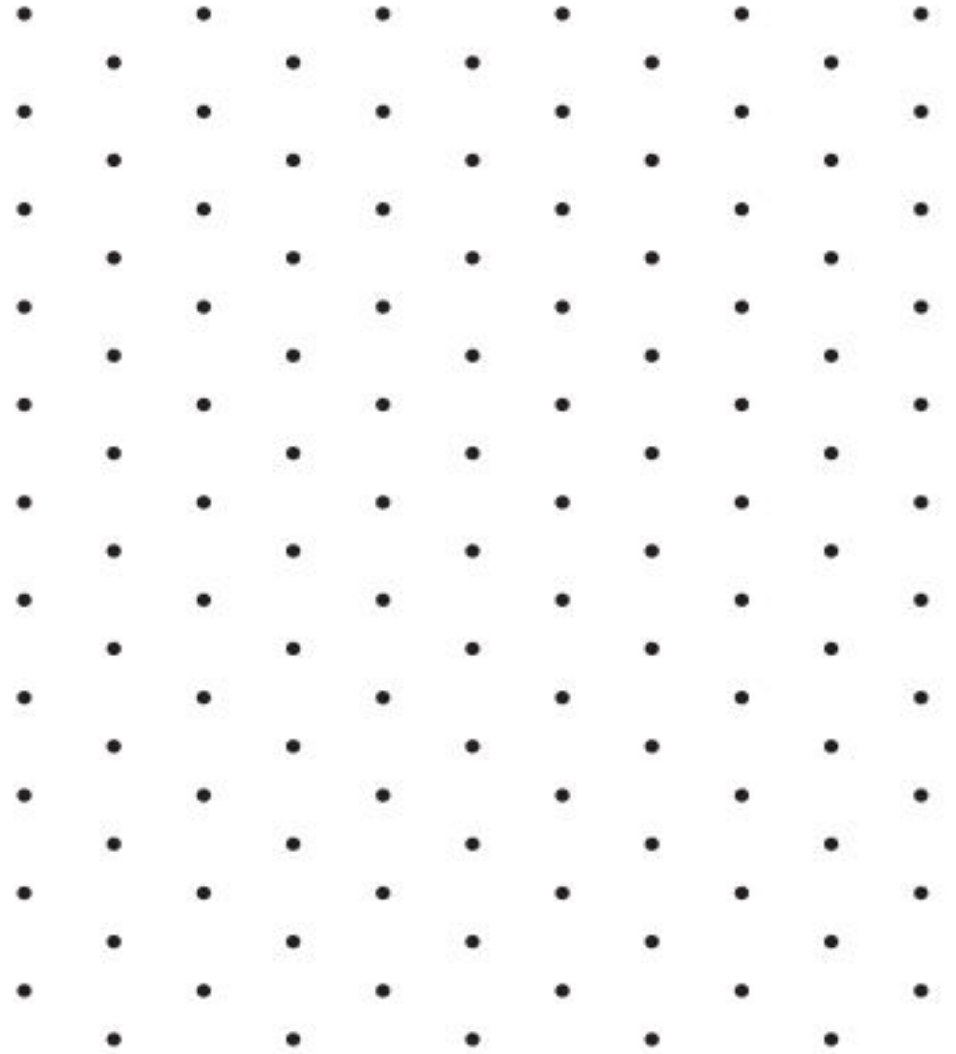
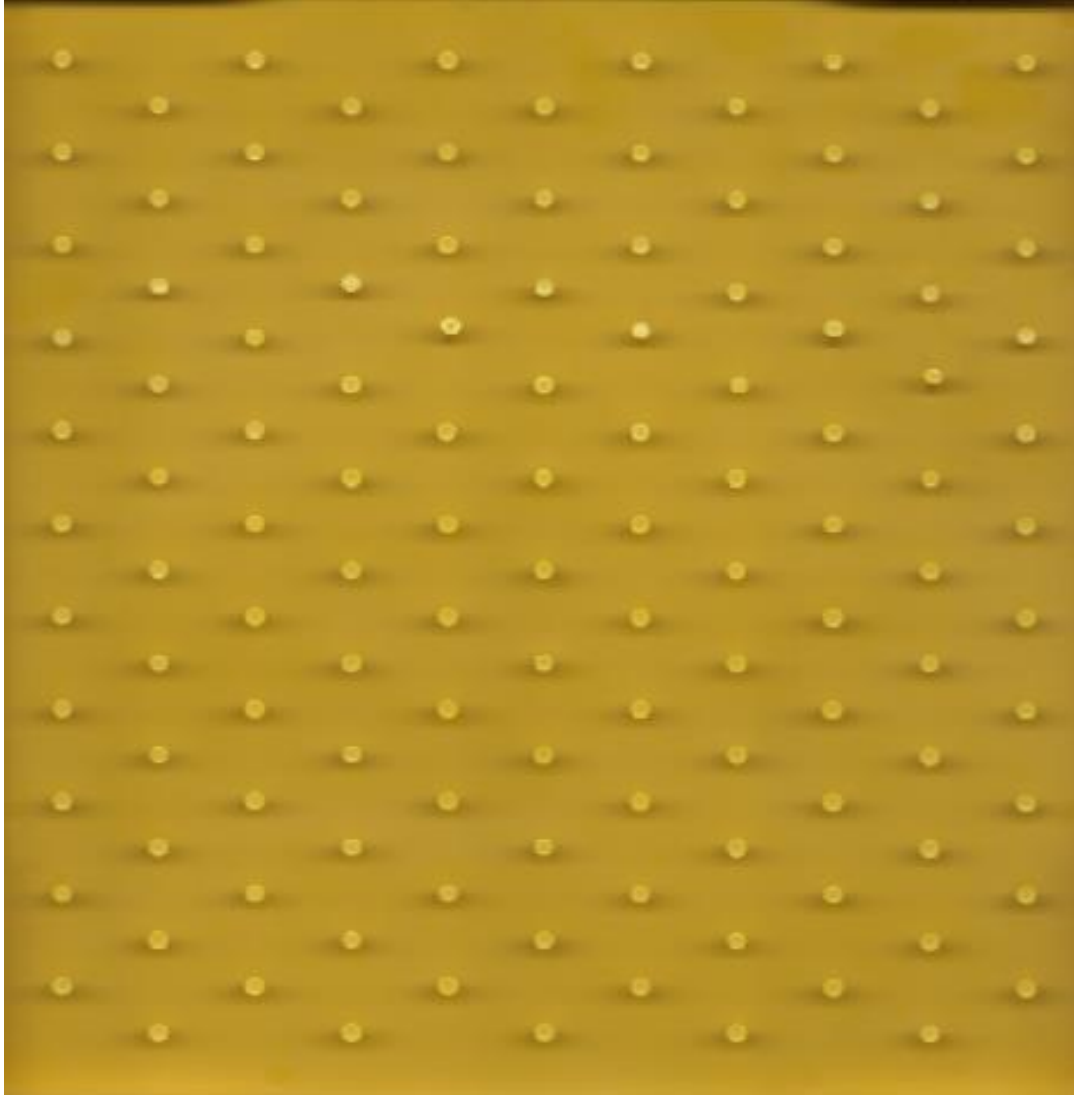


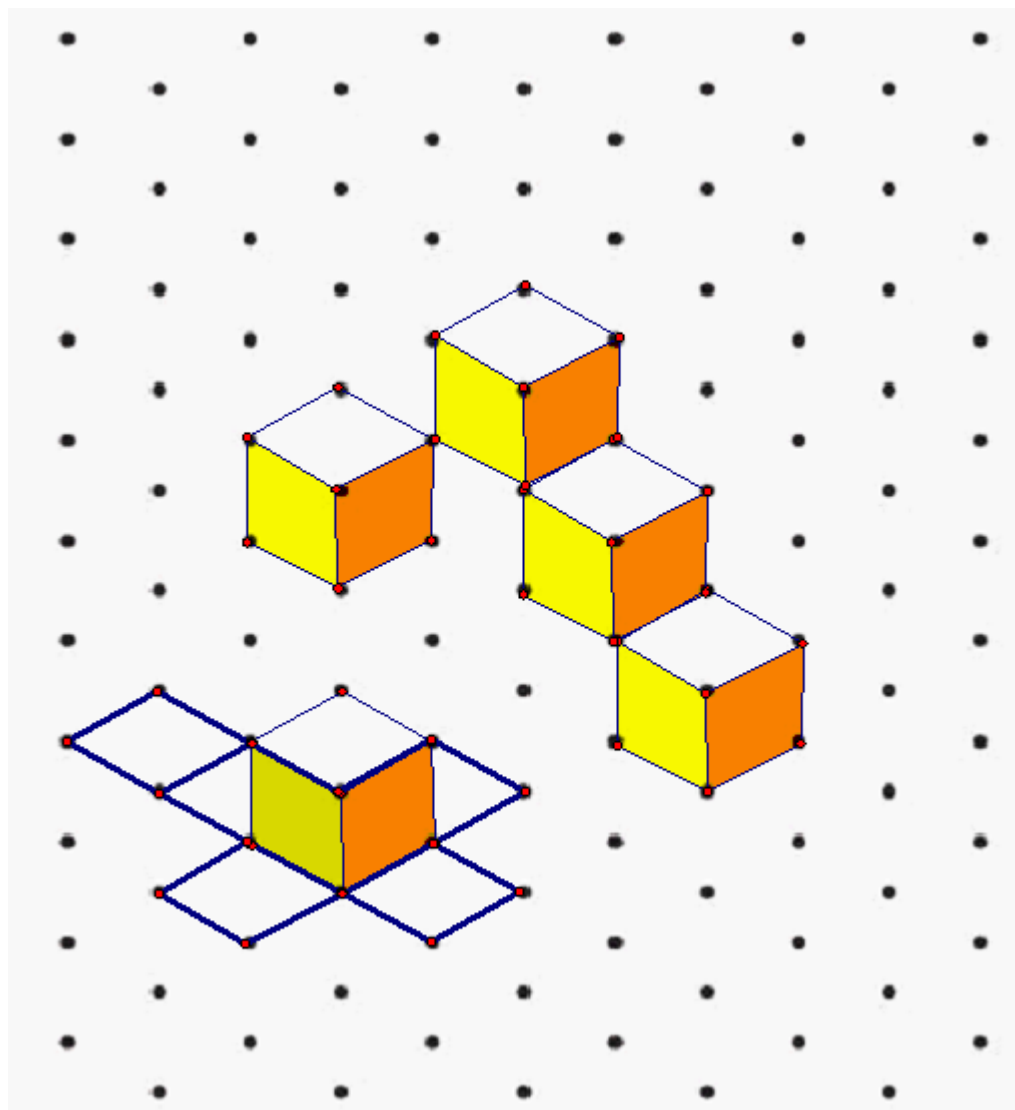
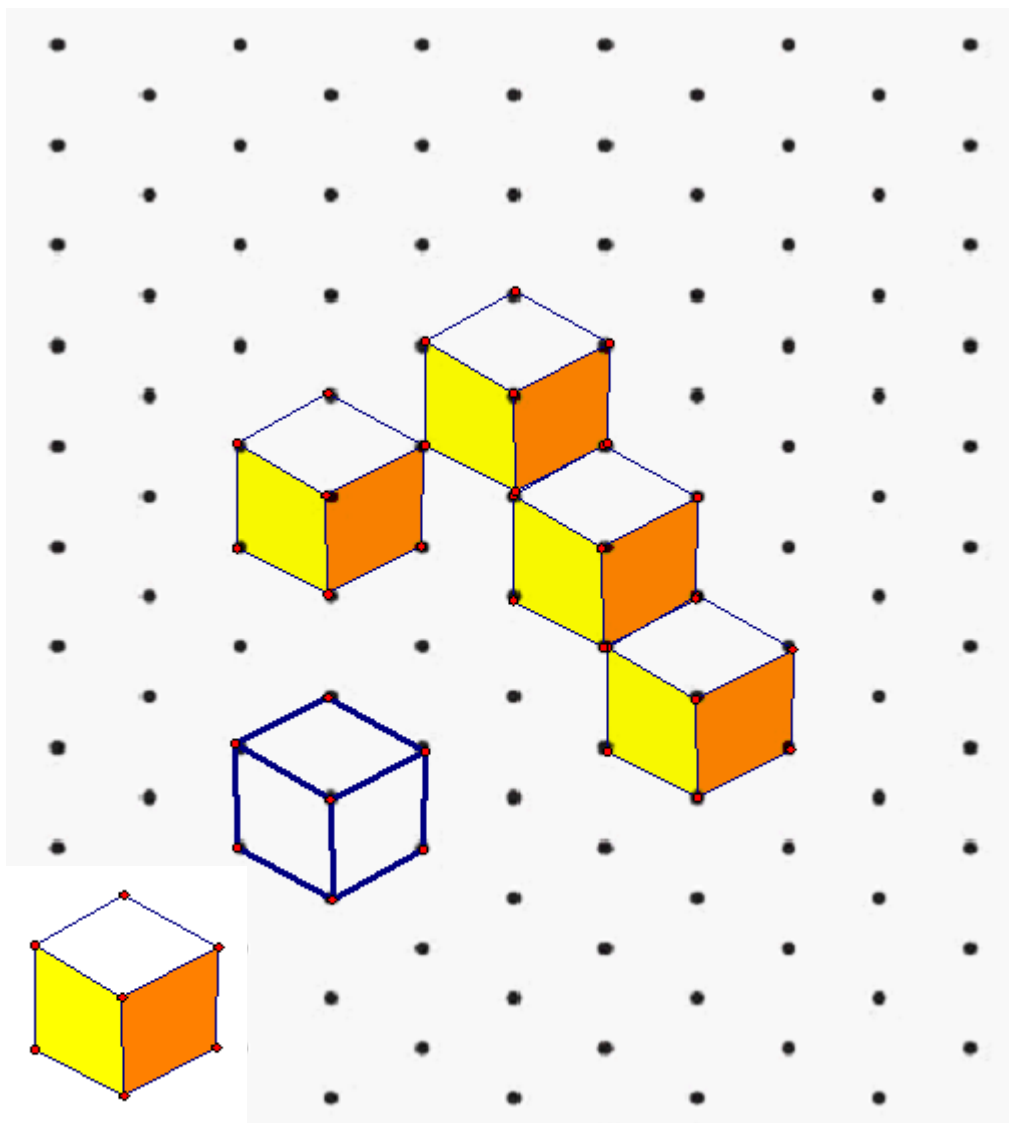
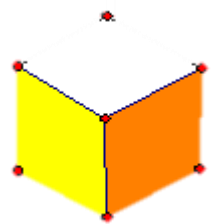
Leonardo da Vinci



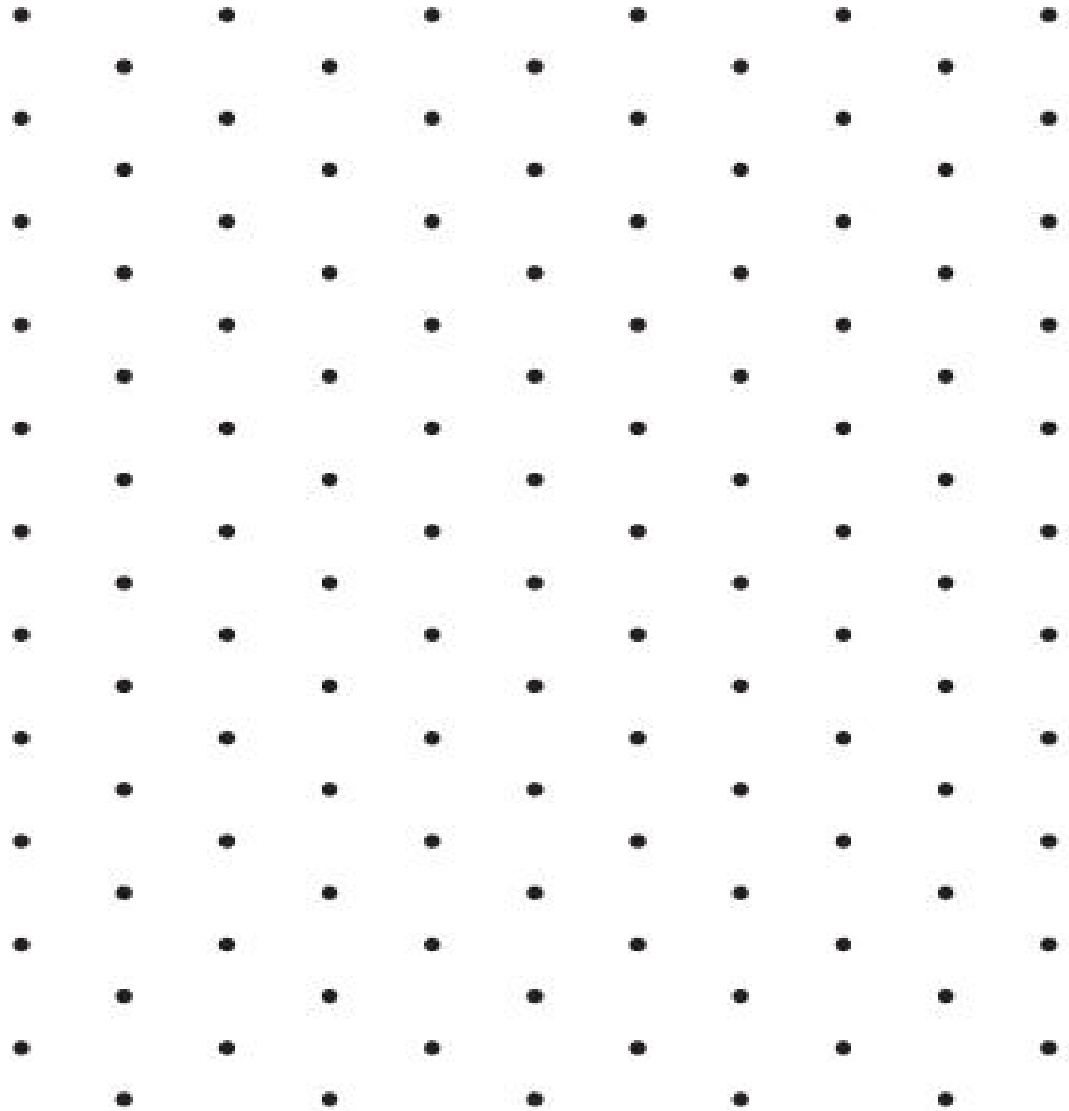
Sol LeWitt

ΙΣΟΜΕΤΡΙΚΟΣ ΓΕΩΜΕΤΡΟΠΙΝΑΚΑΣ





ΙΣΟΜΕΤΡΙΚΟΣ ΓΕΩΜΕΤΡΟΠΙΝΑΚΑΣ





Sol LeWitt

