

Aktivnost_01

Crtajmo!

3D figure crtamo u izometrijskoj mreži točaka. Svake dvije susjedne točke mreže jednako su udaljene

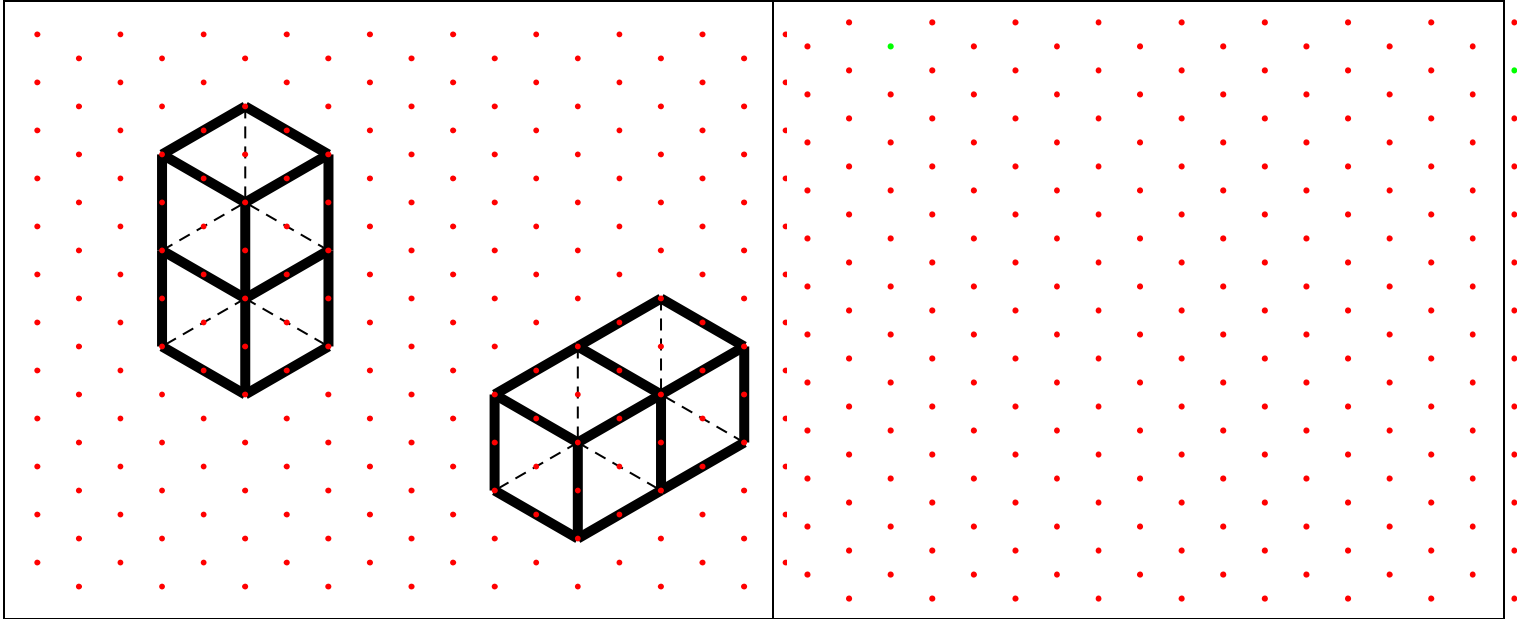
Na slici desno su primjeri nacrtane kocke i jednostavnih građevina složenih iz kocaka.

Izvornik_www.worksheets123.com/22.06.2016./

- Kocka je temeljna geometrijska figura pomoću koje ćemo slagati naše građevine (iz stvarnog ili imaginarnog svijeta).
- Na slici a) su nacrtane kocke. Nacrtaj kocke istih dimenzija na trokutastoj mreži.

<p>a)</p>	<p>b)</p>
-----------	-----------

Na slici su nacrtane građevine sastavljene od dvije kocke. Opiši ih. Precrtaj ih.

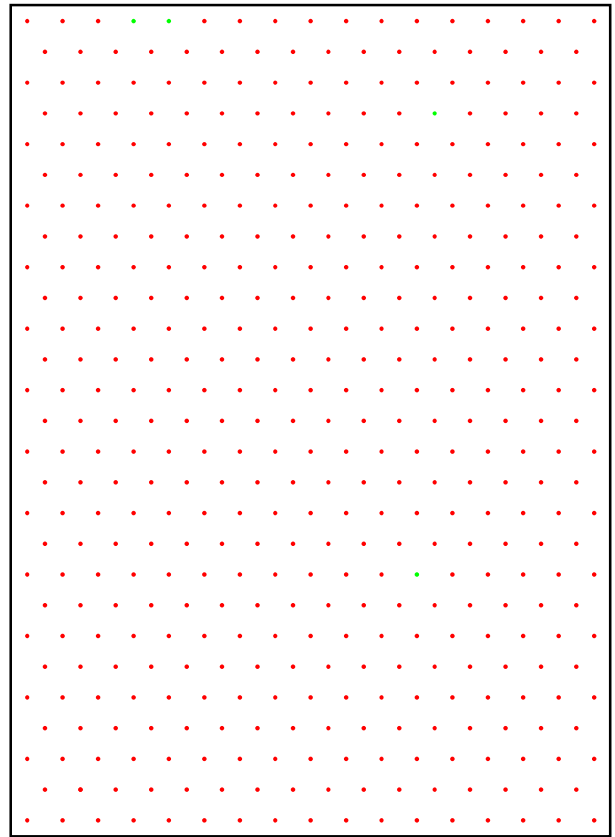
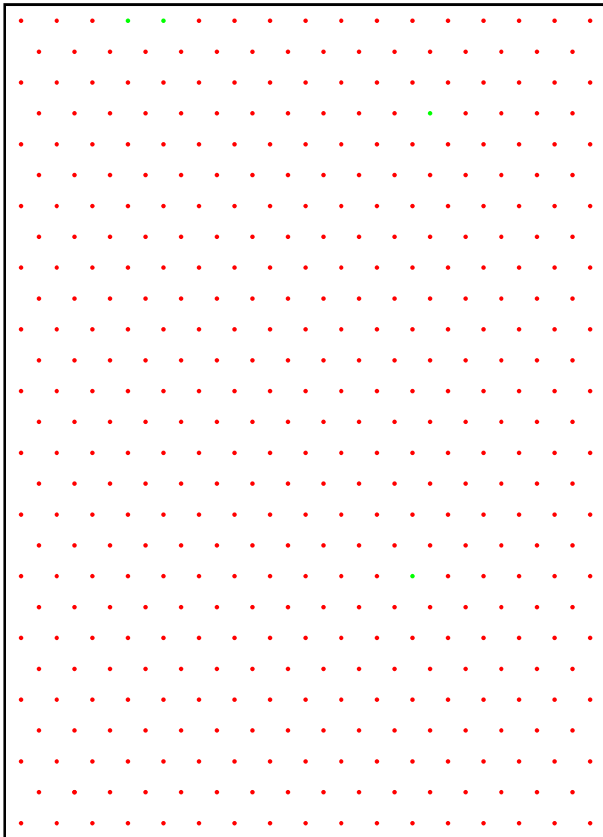


Koliko različitih građevina možemo složiti od 4 kocke? Složi sve građevine od

a) 3 kocke,

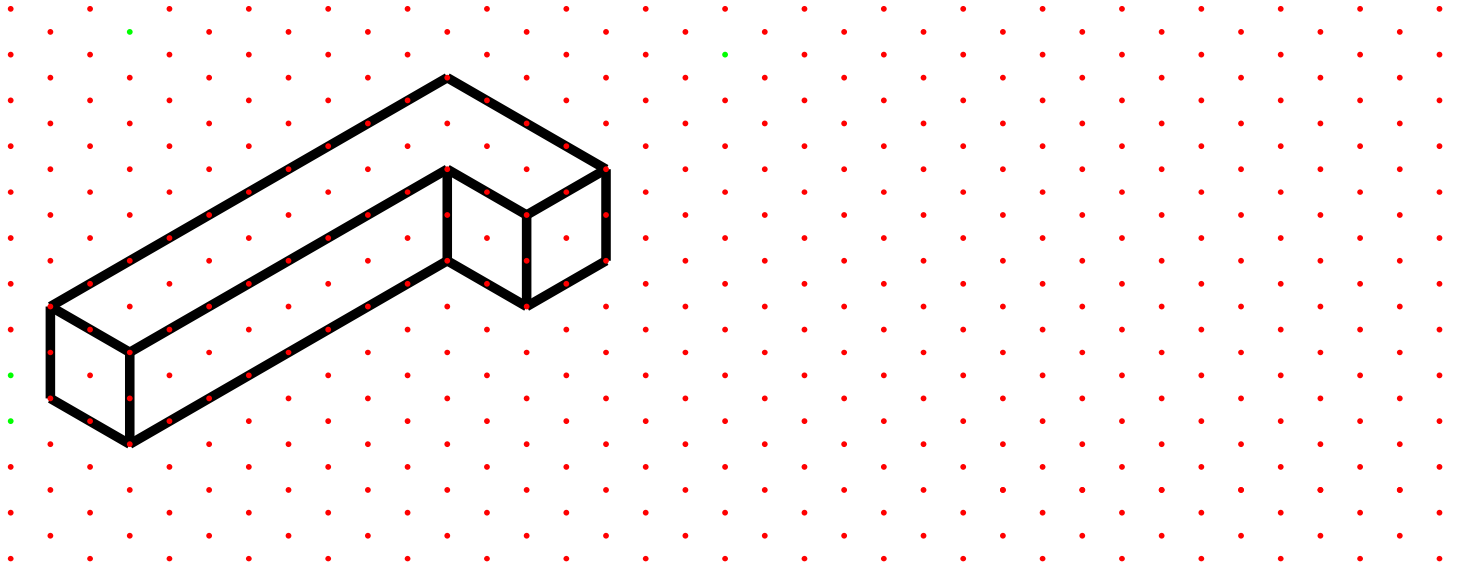
b) 4 kocke.

Složenu građevinu skiciraj i slaži dalje . . . Usporedi broj složenih građevina sa ostalim učenicima u razredu.

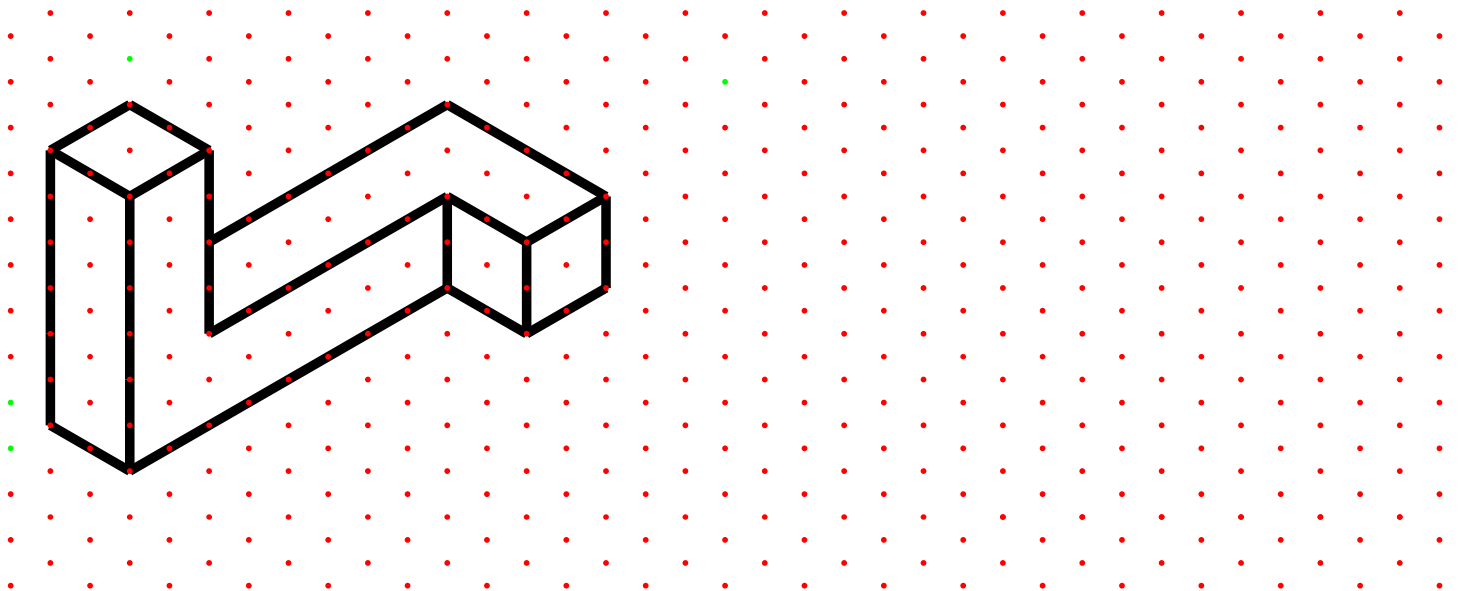


Aktivnost_02

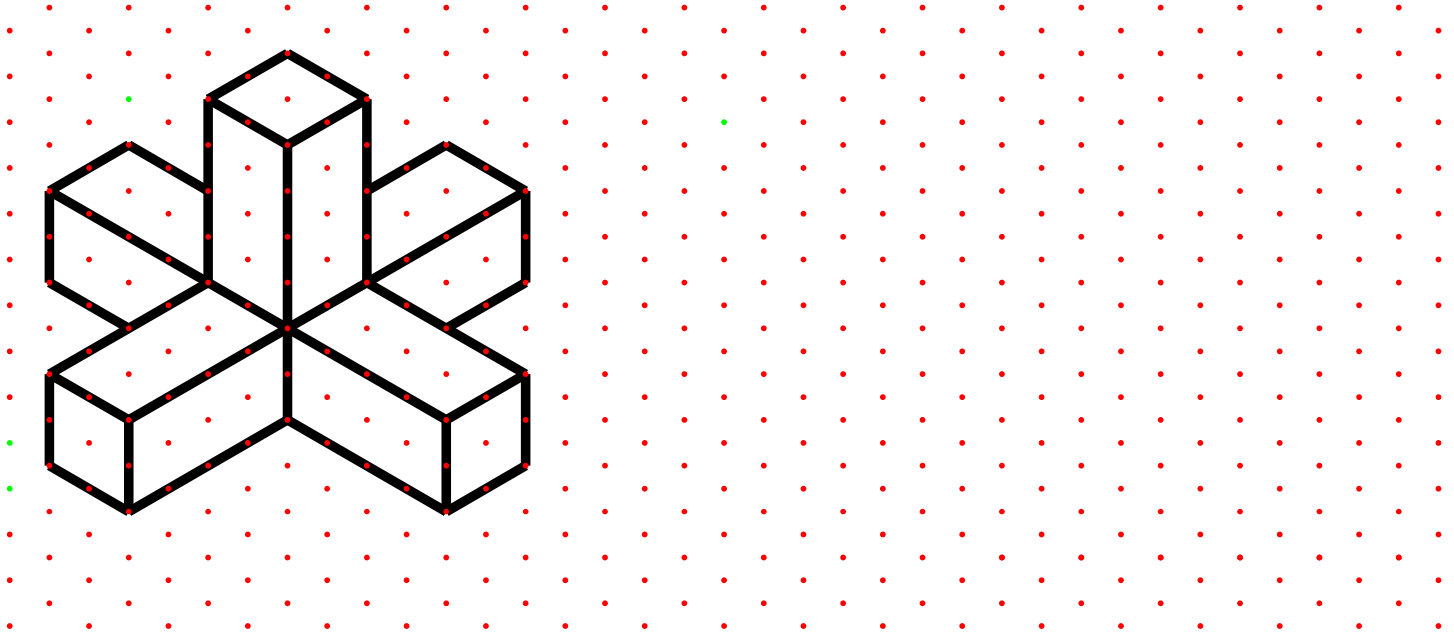
- Svaku građevinu treba:
 - a) Složiti (od jediničnih kocaka).
 - b) Nacrtati ju.
 - c) Izbrojati od koliko jediničnih kocaka je složena svaka od građevina.
 - d) Usporediti dobivene brojeve.



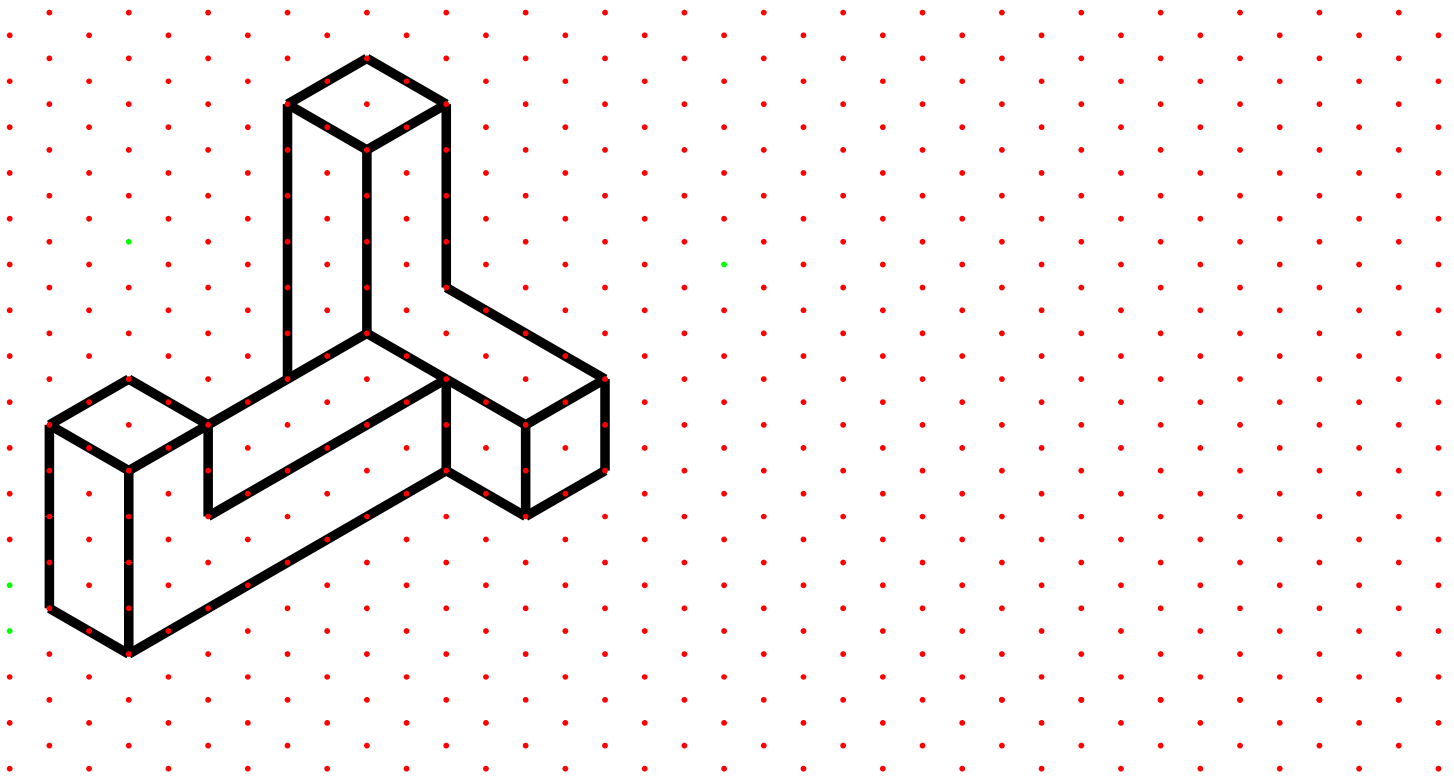
BROJ KOCKICA _____



BROJ KOCKICA _____



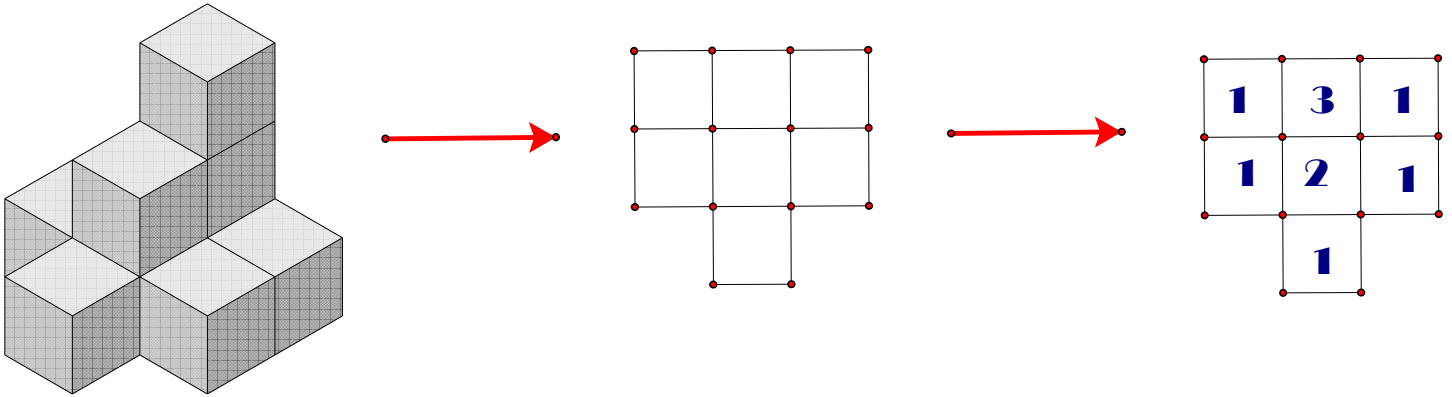
BROJ KOCKICA _ _ _ _ _



BROJ KOCKICA _ _ _ _ _

Aktivnost_03 - plan gradnje

Građevina na slici složena iz jediničnih kockica. Druga slika prikazuje pogled odozgo građevine s prve slike. Brojevi na trećoj slici označavaju broj kockica u pojedinom „stupcu“ tj. „visinu“ stupca i prikazuje plan gradnje/ slaganja građevine iz kockica.



Od koliko je kockica građevina složena?

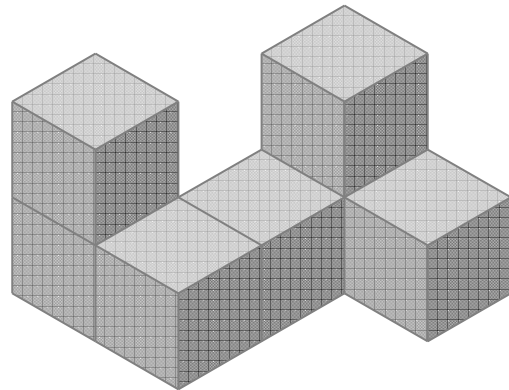
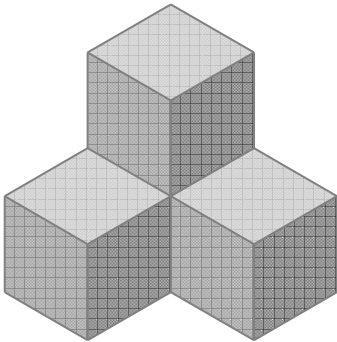
ZADATAK

Svaku od građevina na idućim slikama.

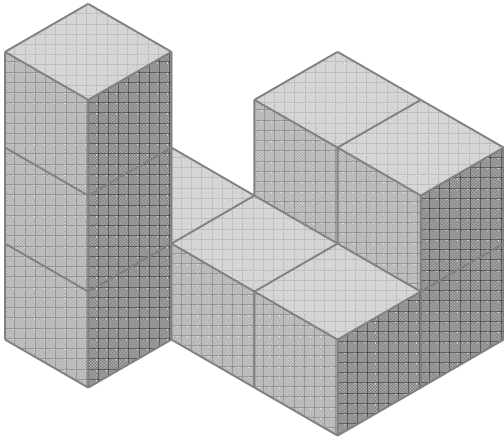
- Složi pomoću kockica;
- Nacrtaj pogled odozgo u kvadratnoj mreži s planom gradnje.

a)

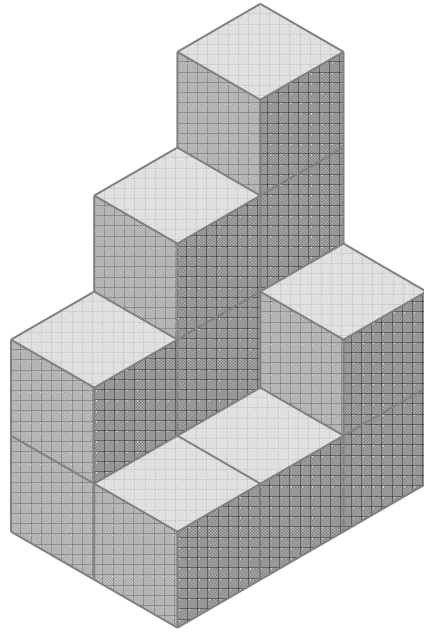
b)



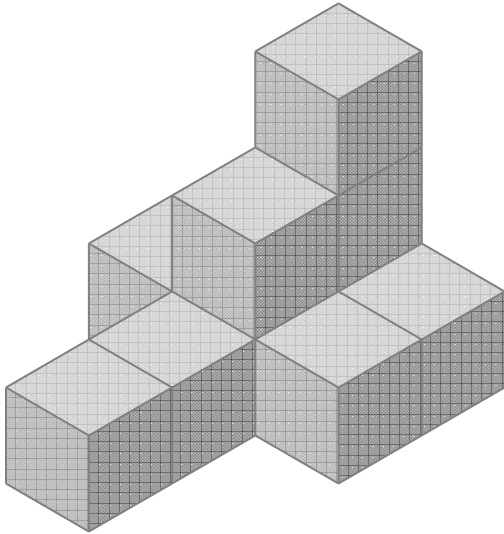
c)



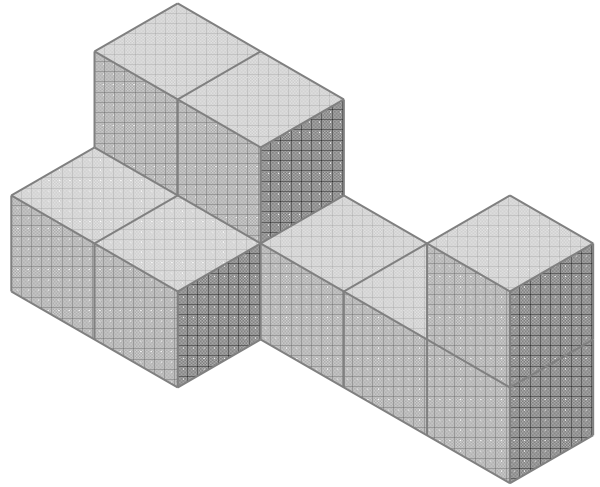
d)



e)

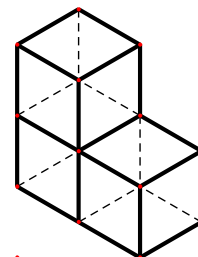
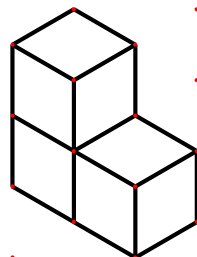
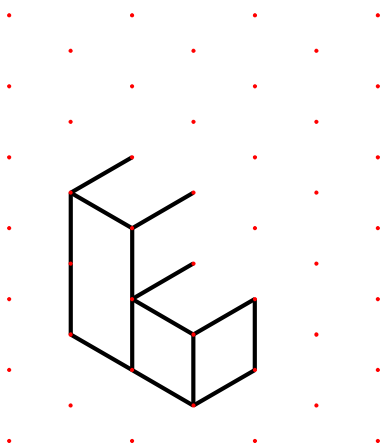
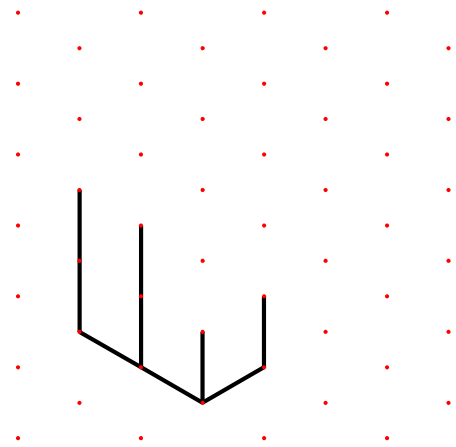
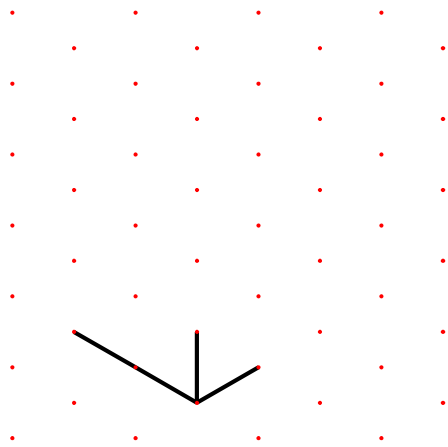
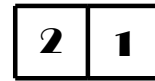
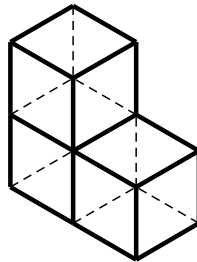
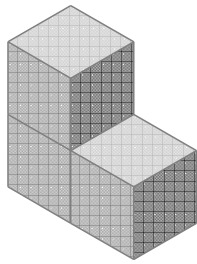


f)



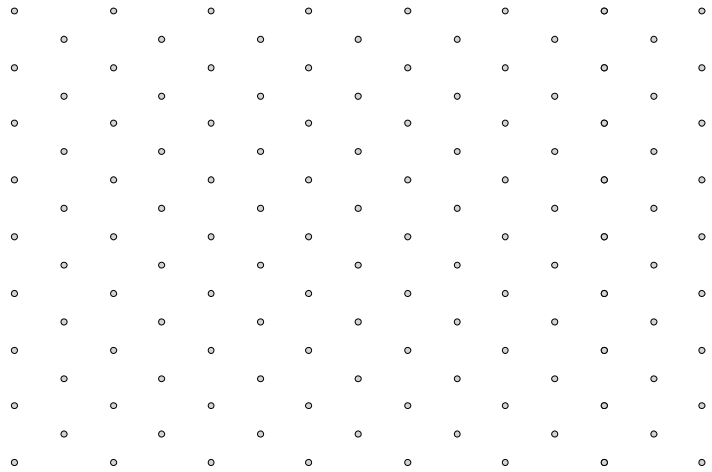
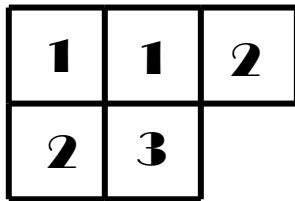
Aktivnost_04 (izometrijska trokutasta mreža točaka)

- Građevinu složenu od jediničnih kockica, zadanu planom gradnje nacrtajmo u trokutastoj mreži točaka.

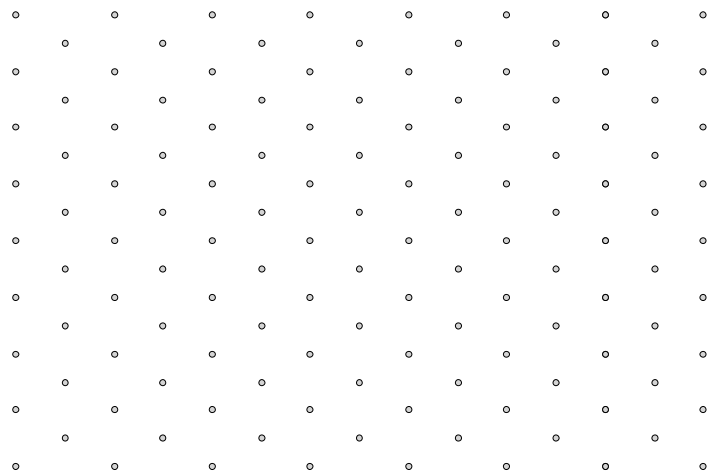
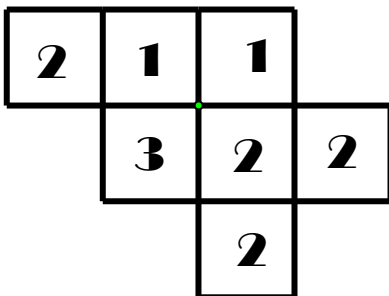


➤ Pomoću kockica složi, a zatim nacrtaj građevinu prema tlocrtu i naznačenoj „visini“ stupca.

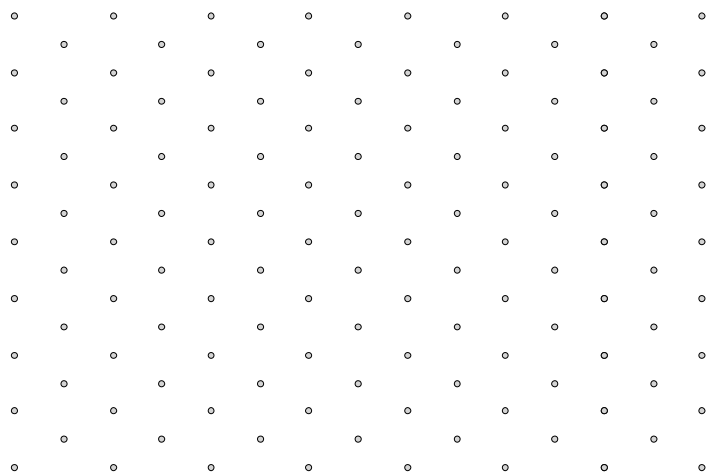
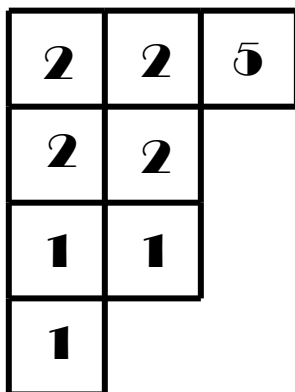
a)



b)



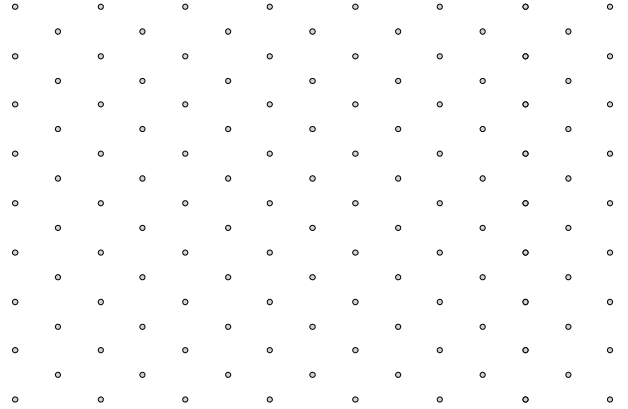
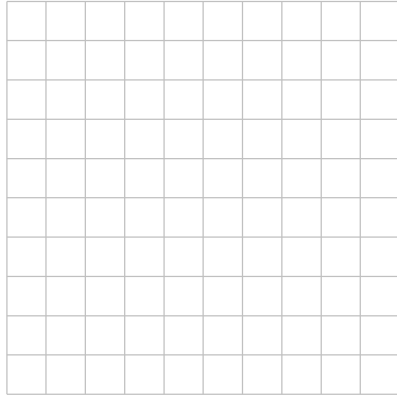
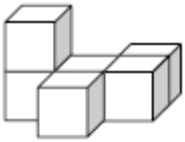
c)



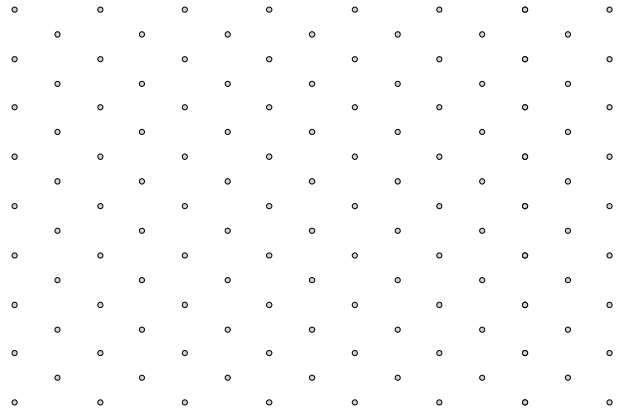
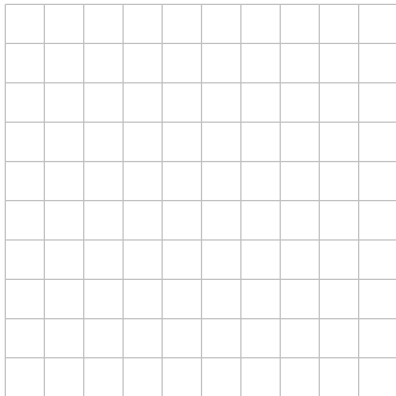
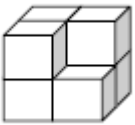
Aktivnost_05

- Građevine na sljedećim slikama složene su od jediničnih kocaka u horizontalnoj ravnini. Za svaku od njih nacrtaj plan gradnje.
- Koliko je kockica utrošeno pri gradnji svake od njih?
- Nacrtaj odgovarajuće slike u trokutastoj mreži točaka.

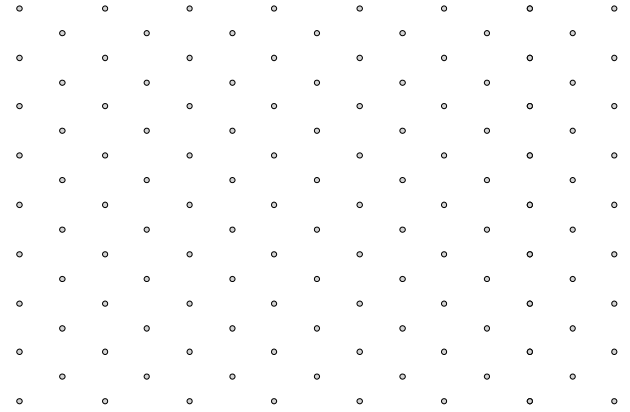
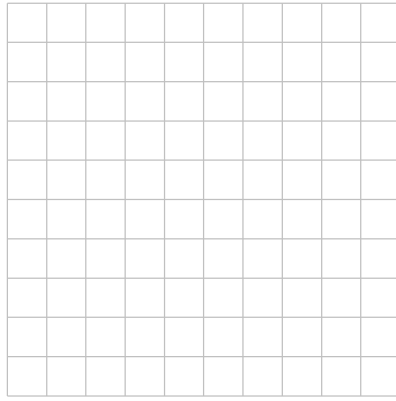
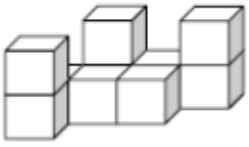
a)



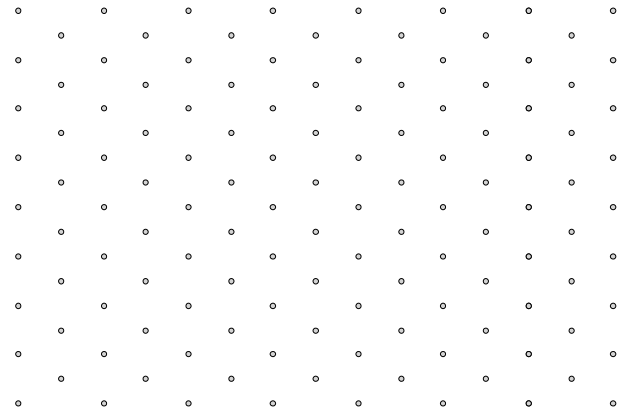
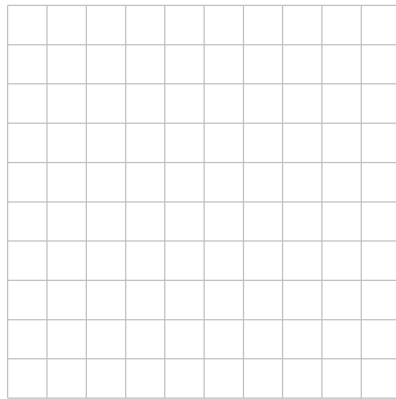
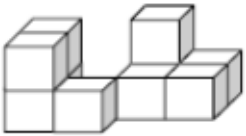
b)



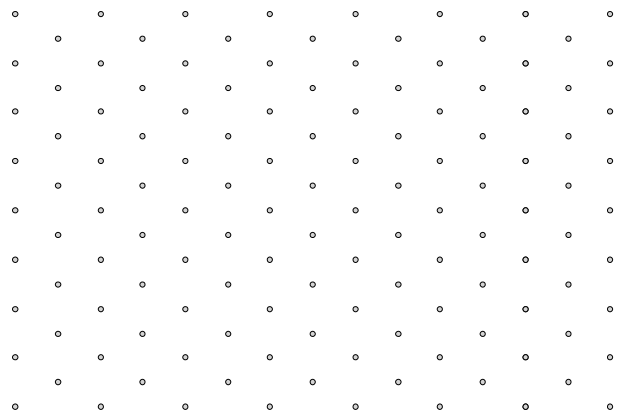
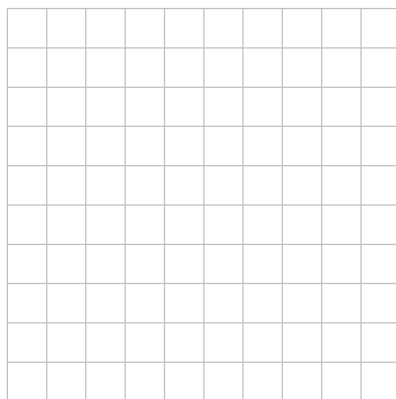
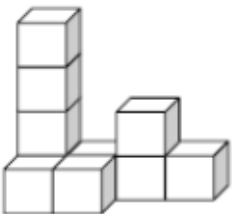
c)



d)



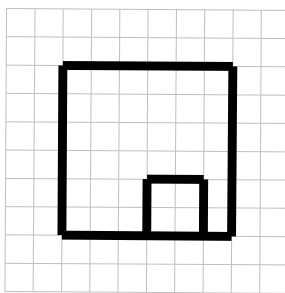
e)



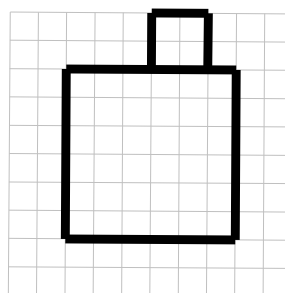
Aktivnost_06



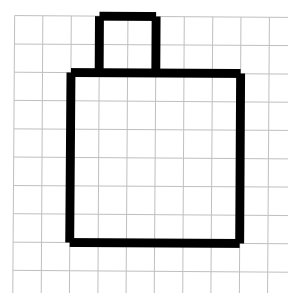
IzvorNIK_Supplementary Materials for Mathematics 314 568 - 314 Spatial Sense



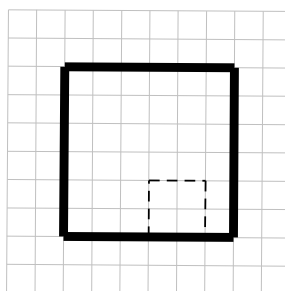
DOGLED ODOZGO



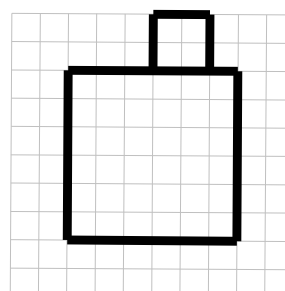
DOGLED SPRIJEDA



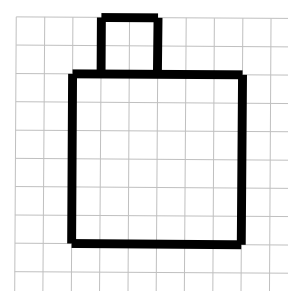
DOGLED ZDESNA



DOGLED ODOZDO



DOGLED STRAGA

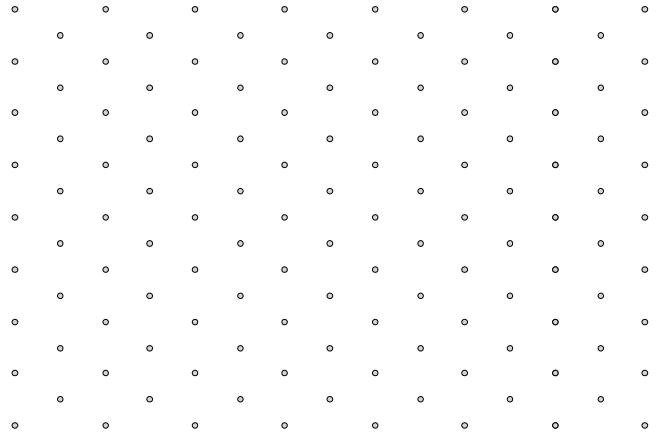
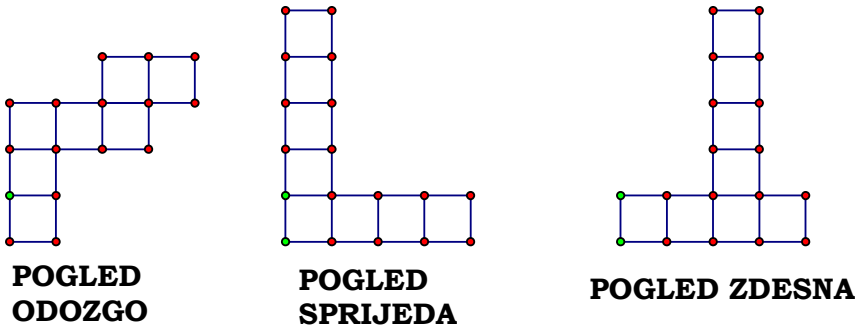


DOGLED SLLJEVA

Građevine na idućim slikama zadane su pogledom odozgo, s desna i odozgo.

- Složi svaku od građevina kockicama.
- Nacrtaј građevinu u trokutastoj mreži točaka.

a)



b)

