

AP 1G 2011

Suttascripziun candidat(a):

Lieu / datum:

Matematica-part 2-RG

Cuoz: 45 minutas

max. puncts: 23

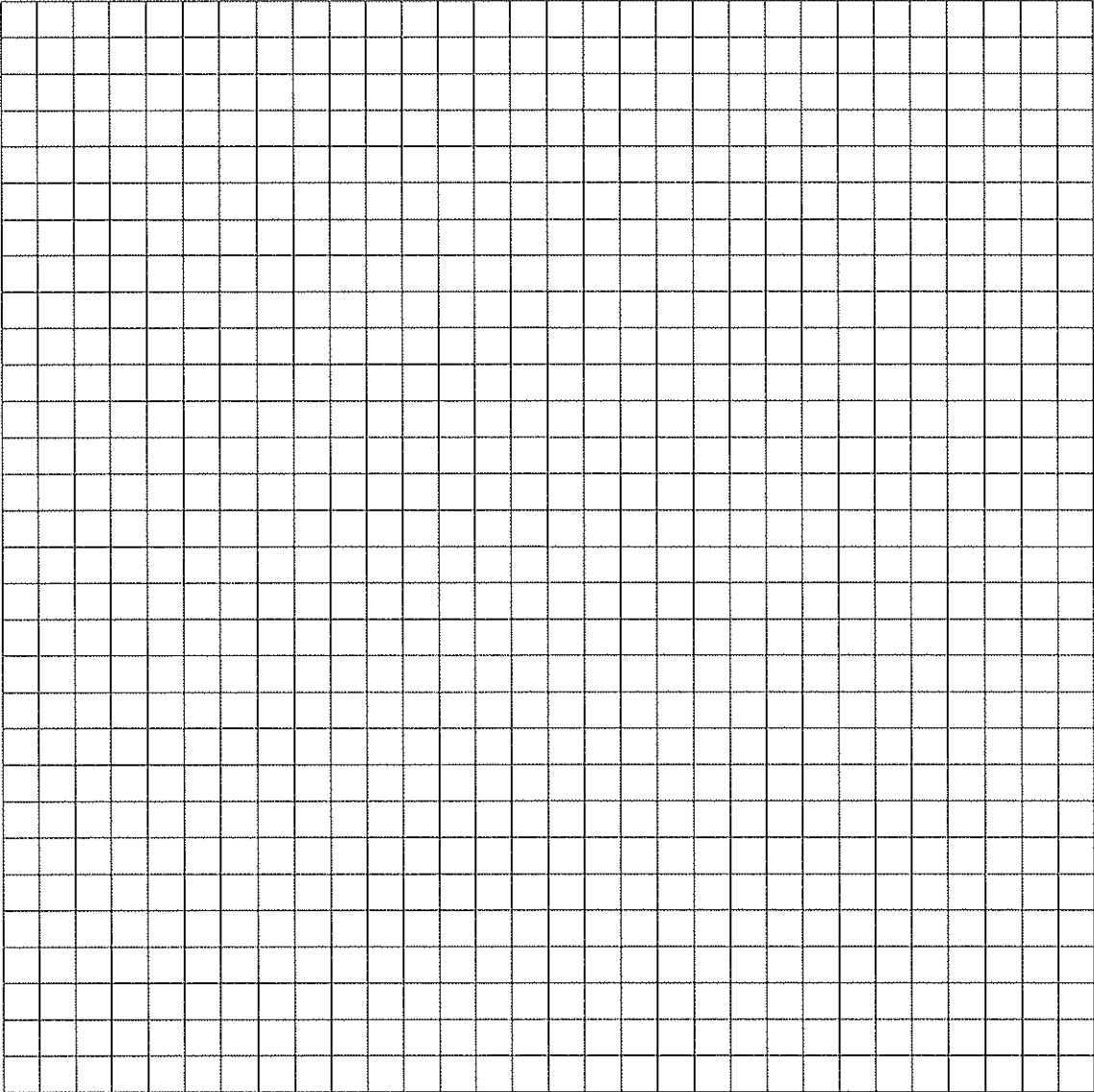
1. correctura: puncts cuntanschids: _____ Visum: Data:.....

2. correctura: puncts cuntanschids: _____ Visum:..... Data:.....

3. correctura posteriura: puncts cuntanschids: _____ Visum:..... Data:.....

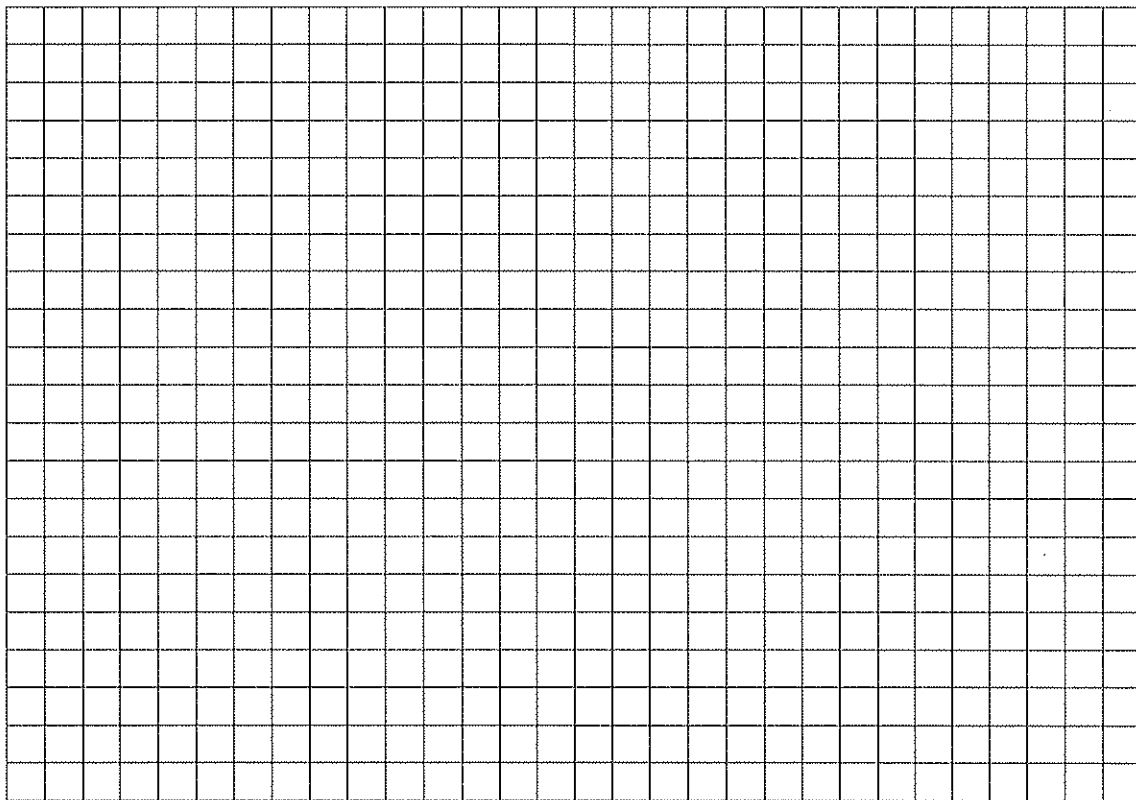
Remartgas

- Scriva cun stilograf u cun culli da color blaua u naira (betg cun rispli!).
- La via a la schliaziun sto vegnir inditgada cumpletmain. Tut las calculaziuns necessarias ston vegnir fatgas sin il feagl da schliaziun.
- Schliaziuns d'emprova u schliaziuns senza ina via a la schliaziun veseivla na dattan nagins puncts.
- Las mesiras ston vegnir inditgadas.
- Las fracziuns ston, sche pussaivel, vegnir scursanidas.
- Il temp d'elavuraziun munta 45 min.
- Ti na dastgas betg duvrar il calculader da tastga u auters meds electronics.

1) $97'531 \cdot \left(\frac{14}{25} - 0.16 - 0.25\right) =$	2
	

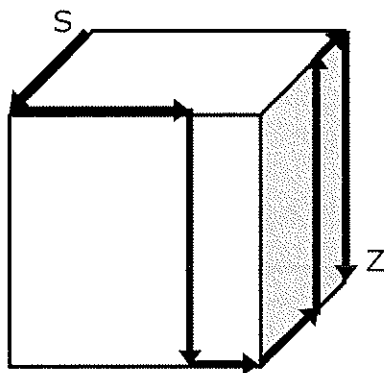
2) Determinescha la summa dal traidubel da 0.795 e da l'otgavla part da 20.92.

2

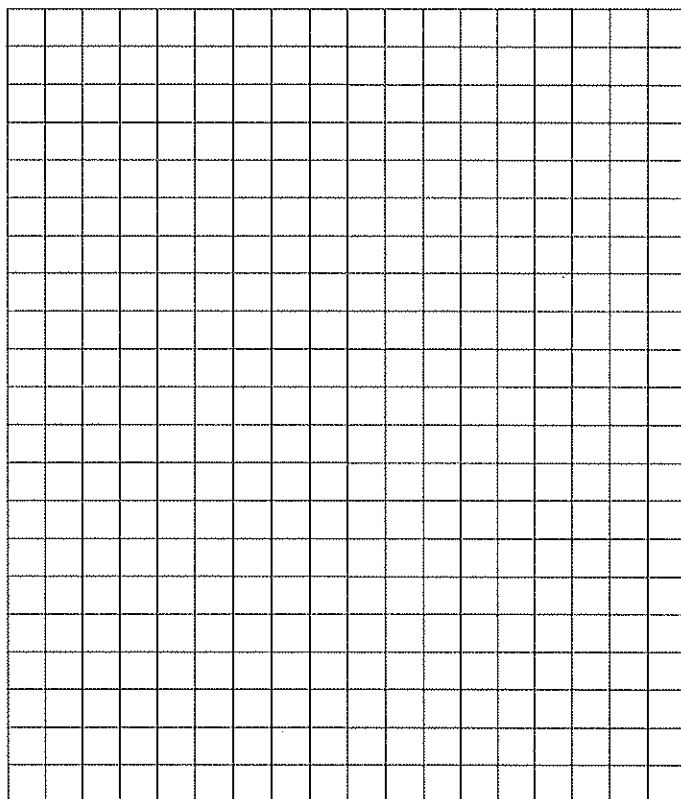


3) Sin in cub cun la lunghezza da l'ur da 12 cm sa ruschna ina furmicla davent dal chantun S enfin il chantun Z sin la via marcada sin il dissegn qua sut.

Quant lunga è la via?

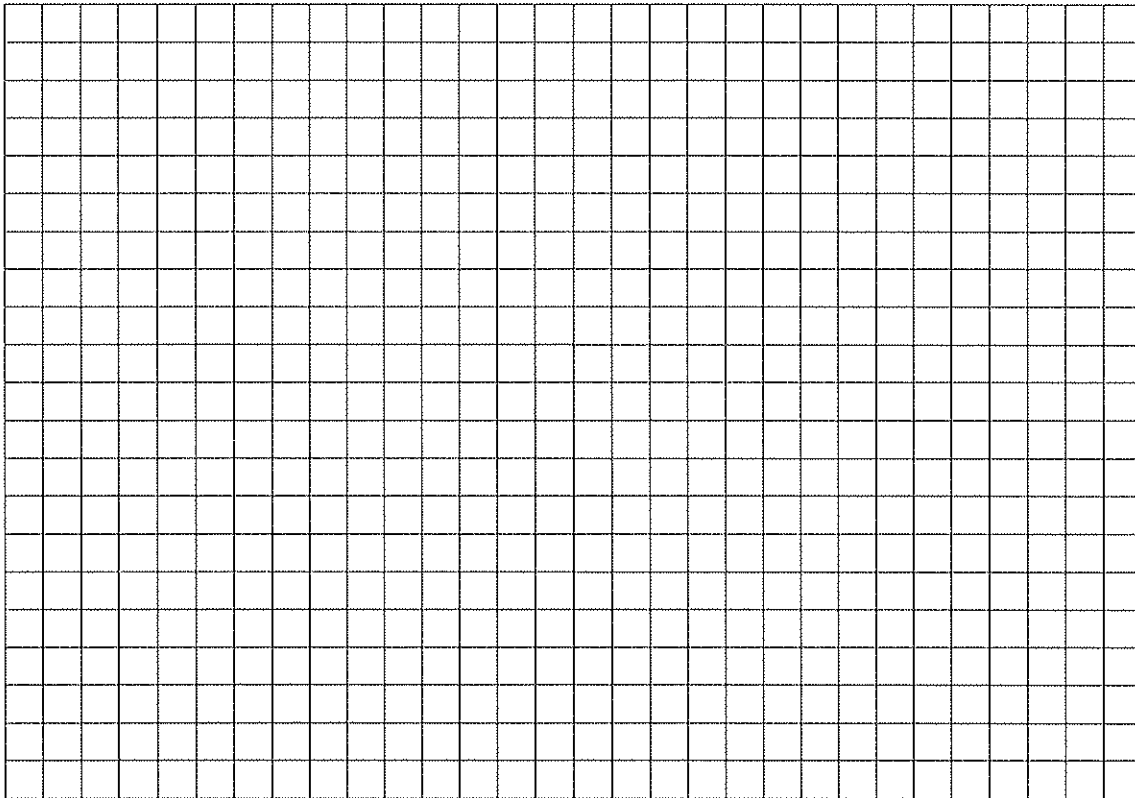


1

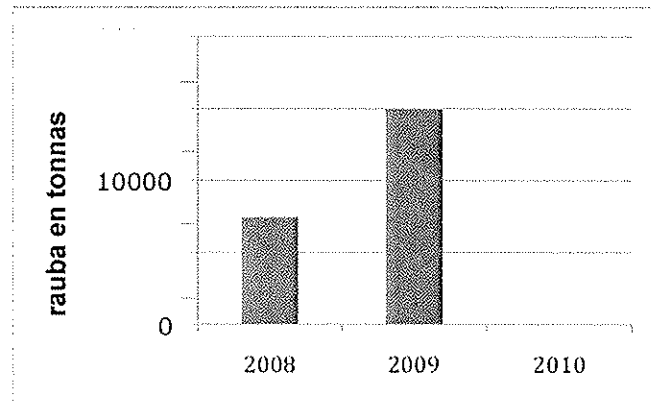


4) 15 kg mandarinas custan 36 fr. Quant custan 20.5 kg oranschas, sche 6 kg oranschas custan medem bler sco 9 kg mandarinas?

2



5) La firma da spediziun Brunner preschenta la paisa da la rauba transportada en in onn sin in diagram:



a) Quant ha la rauba transportada pasà l'onn 2009?

Resposta: _____

1

b) Il quantum per il 2010 è per 5000 t pli grond che per il 2008. Determinescha il quantum per il 2010 e **complettescha il diagram** (cun colur) per l'onn 2010.

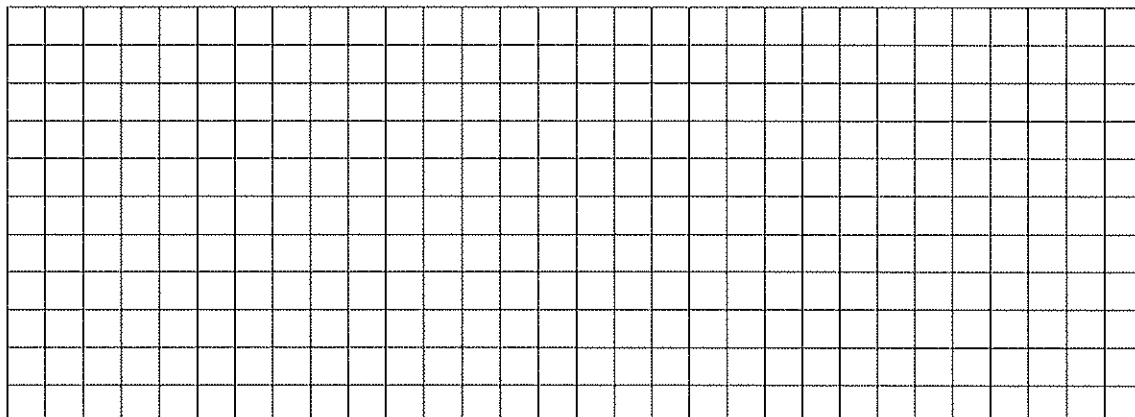
Resposta: _____

1

7) Il scolast Meier cumpra ina platta da lain cruschà per l'instrucziun da zambregiar. La platta è 240 cm lunga e 12 dm largia.

a) Quants m^2 mesira la platta?

2



b) La platta vegn dividida en 18 quadrats tuttina gronds; mintgin dals 18 scolars survegn in da quels. Fa in plan da la platta da lain cruschà en mesira dad 1:20.

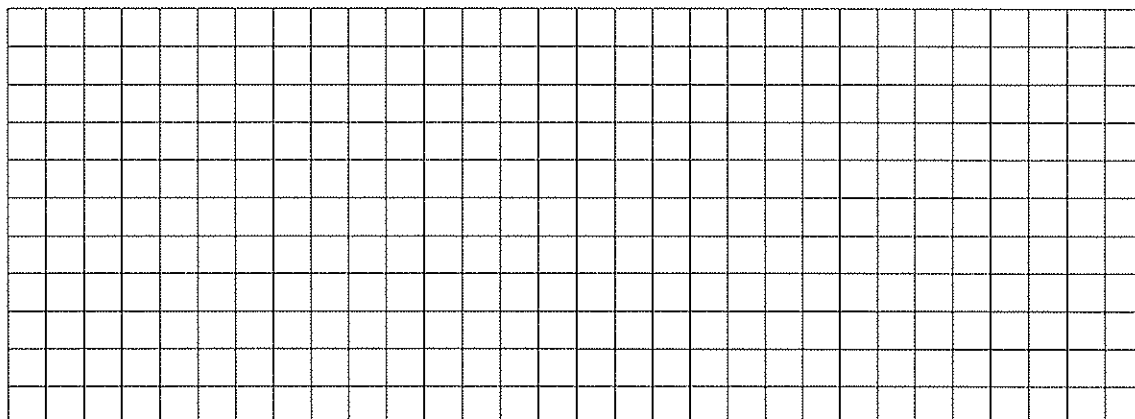
Dissegna ils quadrats en tes plan.

2

c) Quant gronda è en verdad la grondezza da la surfatscha da mintga quadrat da las 18 plattas da lain cruschà?

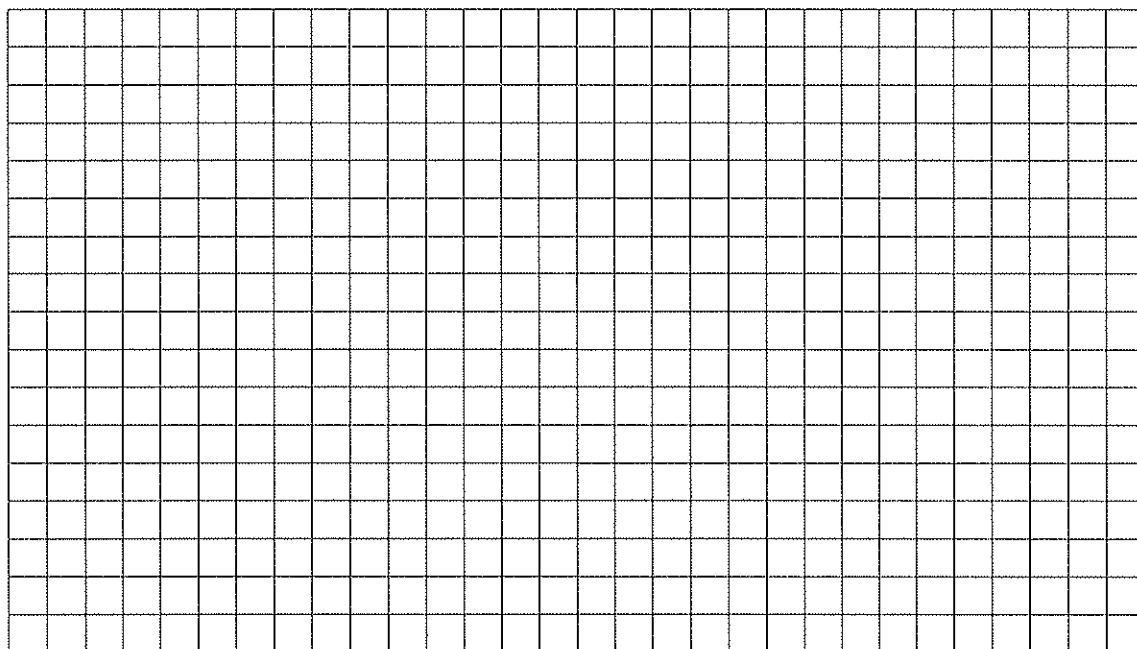
Calculescha la grondezza da la surfatscha en mesira da dm^2 .

1



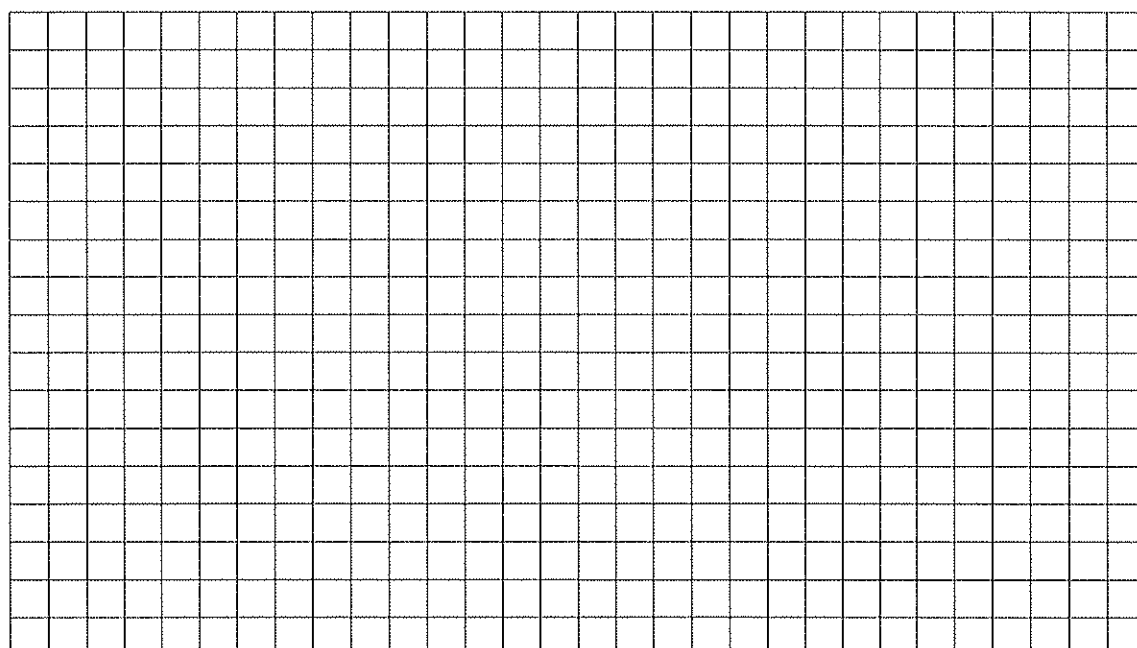
8) Il rector ha embridà il numer da telefon da set cifras dal pedel da la scola. El sa regorda però, che tuttas set cifras èn differentas e creschan en sia grondezza da sanester a dretg. Ultra da quai manca la 0 e sia cifra preferida il 3. Quantas giadas sto el tscherner il numer dal pedel en il cas il pli disfavuraivel, enfin ch'el ha cuntanschì il pedel?

2

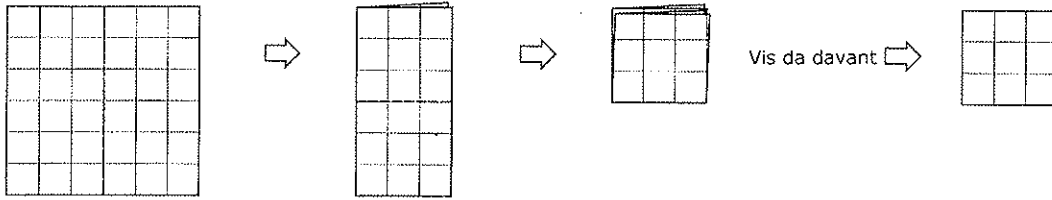


9) Noda tut ils dumbbers da trais cifras cun la summa traversala da 6. Ti dastgas duvrar latiers las cifras 1, 2, 3 e 4.

2

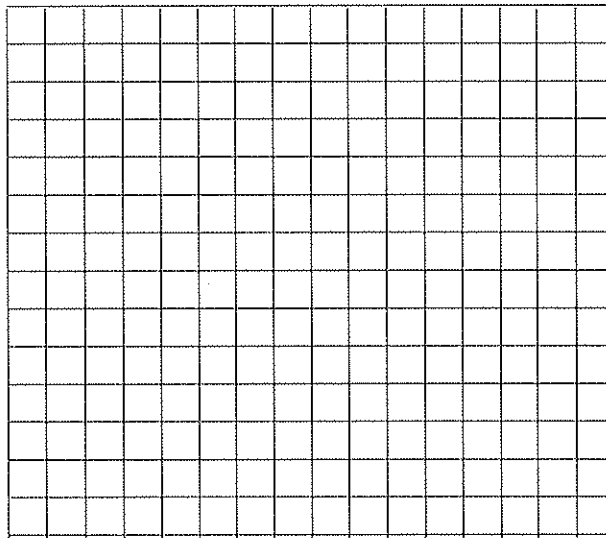


10) Pensa che in fegl palpìri quadratic saja vegnì faldà duas giadas sco suonda:



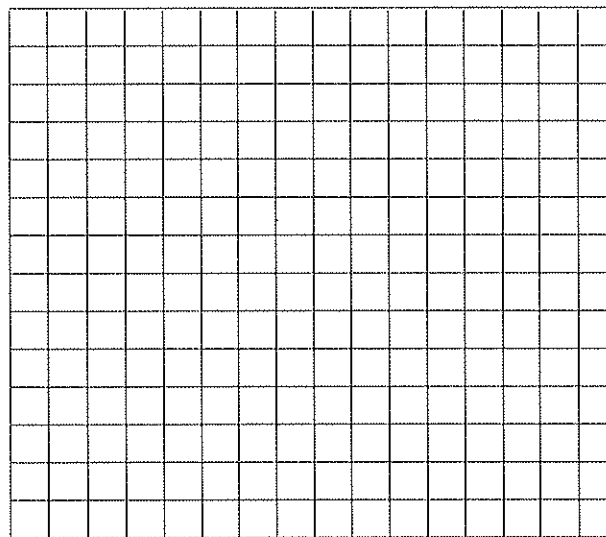
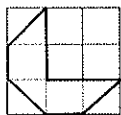
Pensa, che las surfatschas alvas en la **skizza a)** e **skizza b)** sajan vegnidas tagliadas davent. Dissegna sin la surfatscha da quaders qua sut il tagl da siluettas sco ch'el vesa ora sche ti avras puspè il palpìri.

skizza a)



1

skizza b)



2