

Eureka!

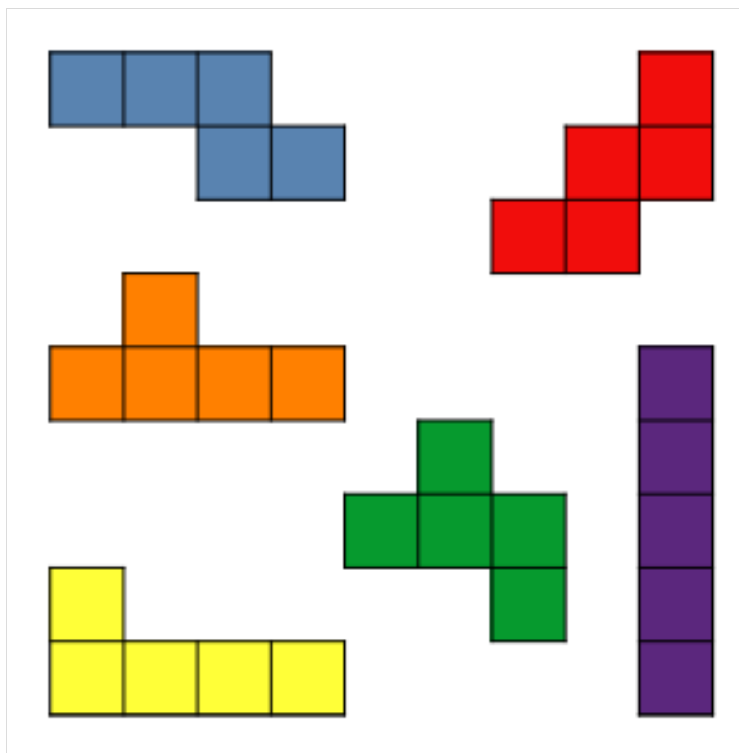
Intelligence Questions

ÖZLEM KAHRAMAN 01.10.20 00:25

Six Pieces

Six Pieces

Bring the following parts together properly to get three identical shapes.



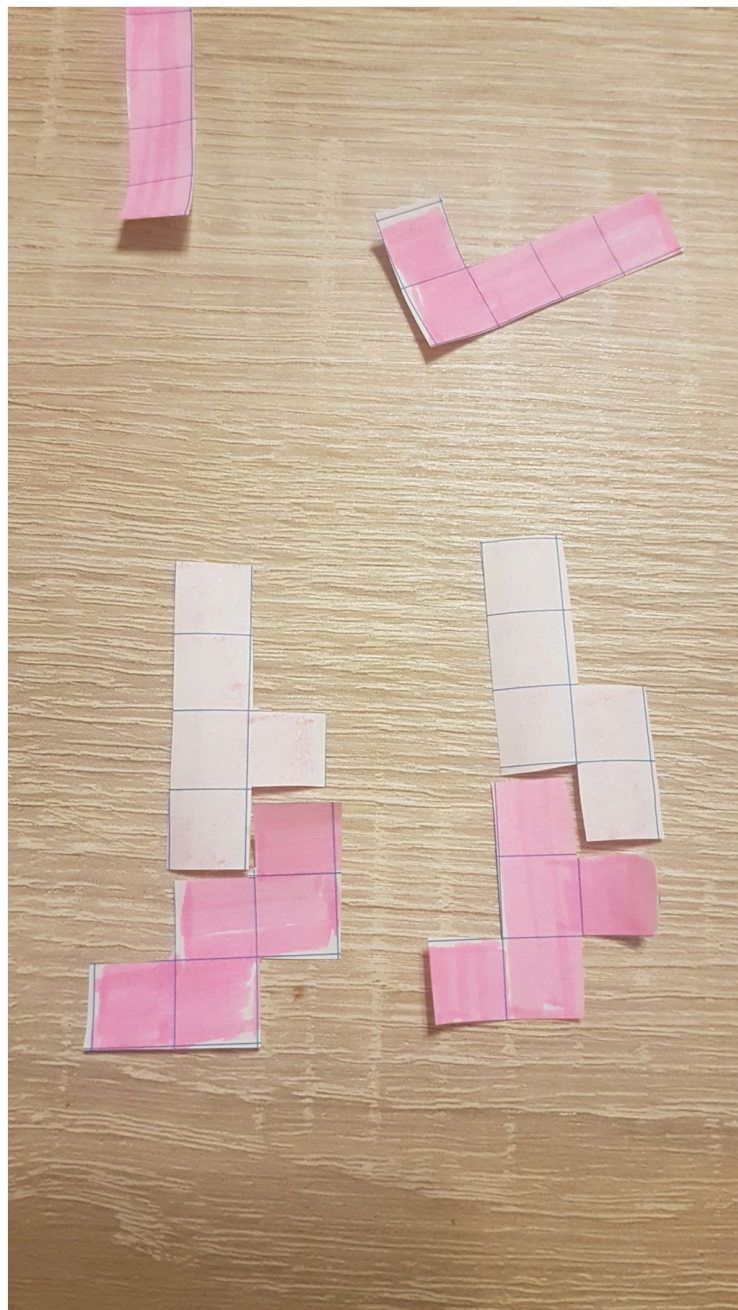
Congratulations – ANONYMNY

congratulations – ANONYMNY

Your event is very nice – ANONYMNY

Congratulations – MEHMETURAM38

Only 2 :(



skVanesa

It is very interesting task, but I could not find three identical shapes.

David Bui

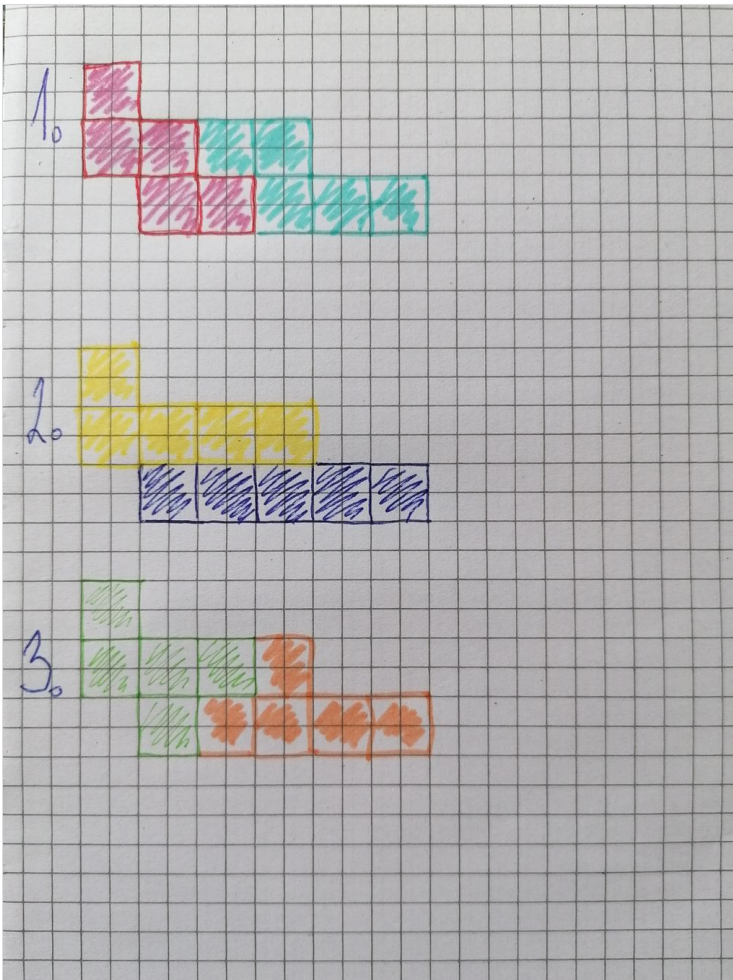
It was easier than I thought.



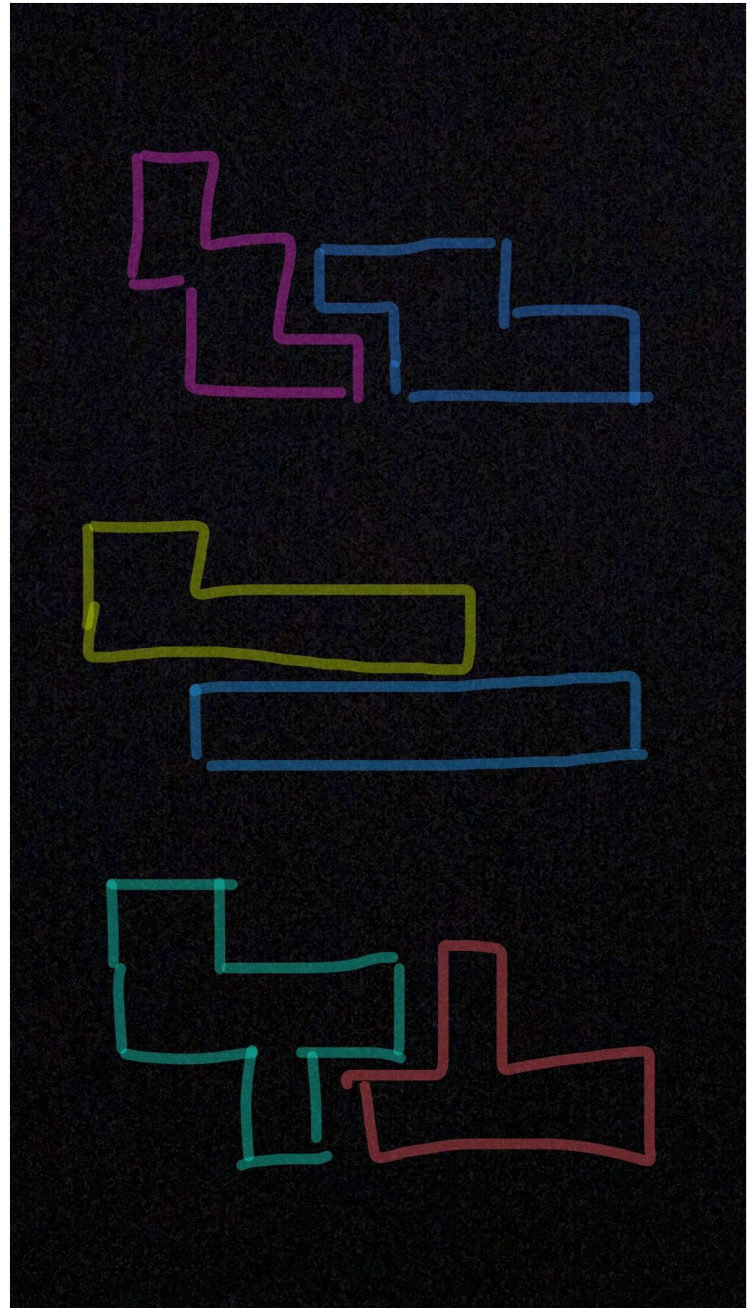
Congratulations – ÖZLEM KAHRAMAN

sk.sima & sk.emanuella

we think that will be the case



Štěpánka



Congratulations – ÖZLEM KAHRAMAN

nice – TUGBACAMDEREDERBENT

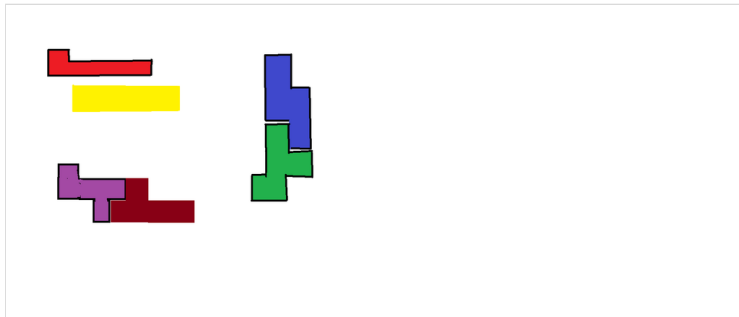
Kačka/CZ

I tried it, but i did only two..

I put all 3 together but with mom help.

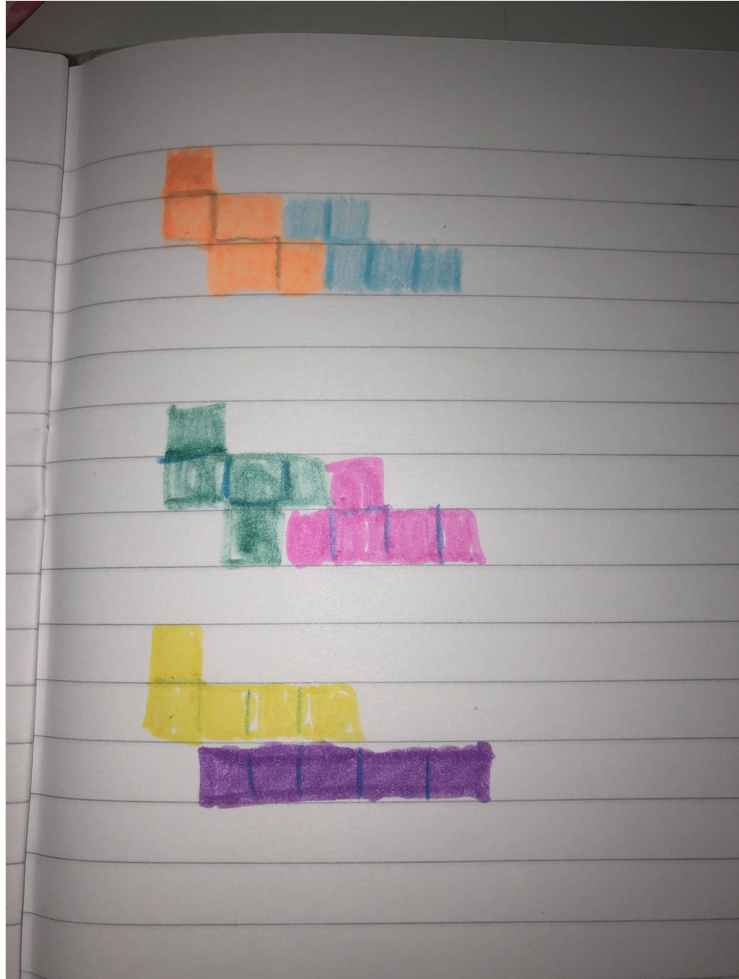
Tereza/CZ

sk.slavka, sk.helenka, sk.daniela



Congratulations - ÖZLEM KAHRAMAN

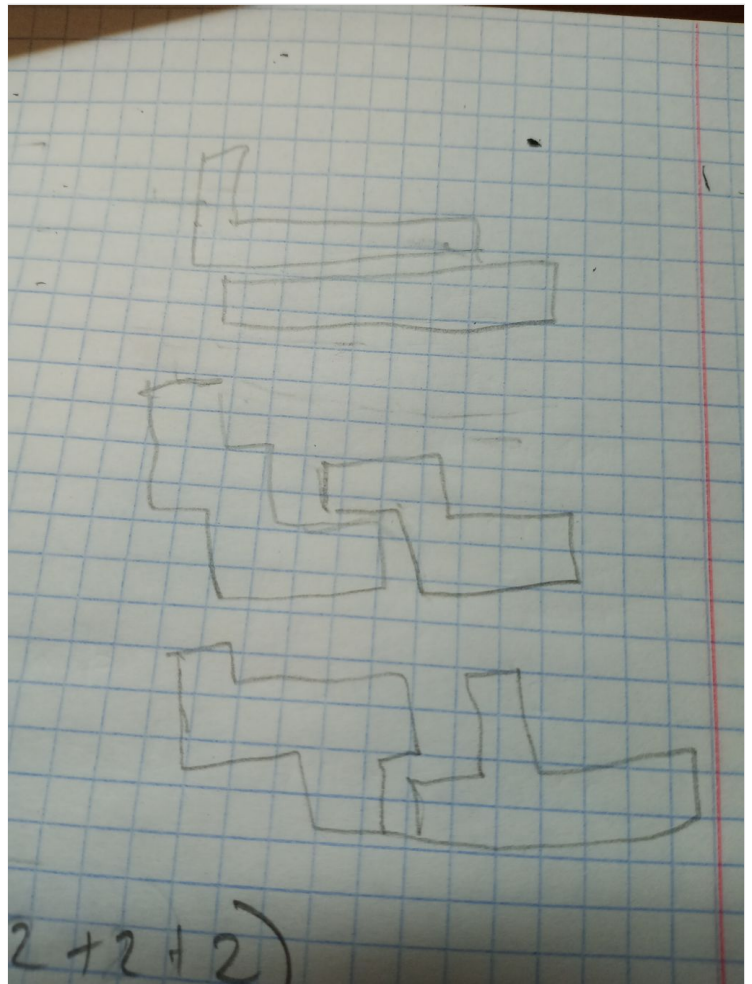
cz.amalka



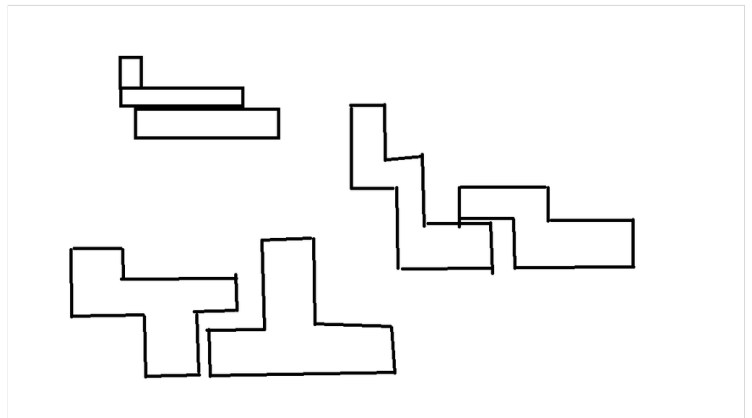
Congratulations - ÖZLEM KAHRAMAN

good - TUGBACAMDEREDERBENT

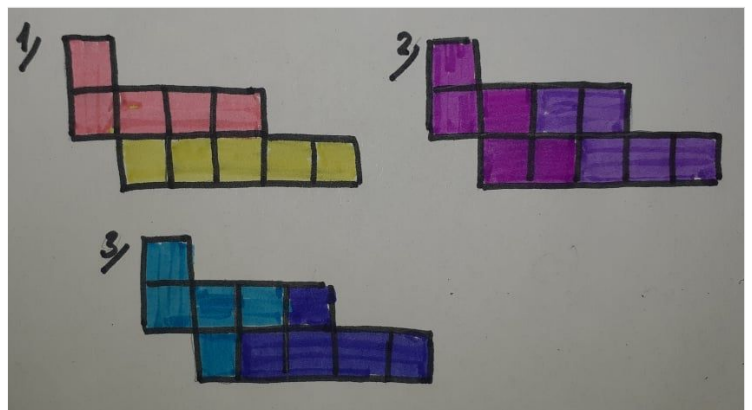
Grigoriy



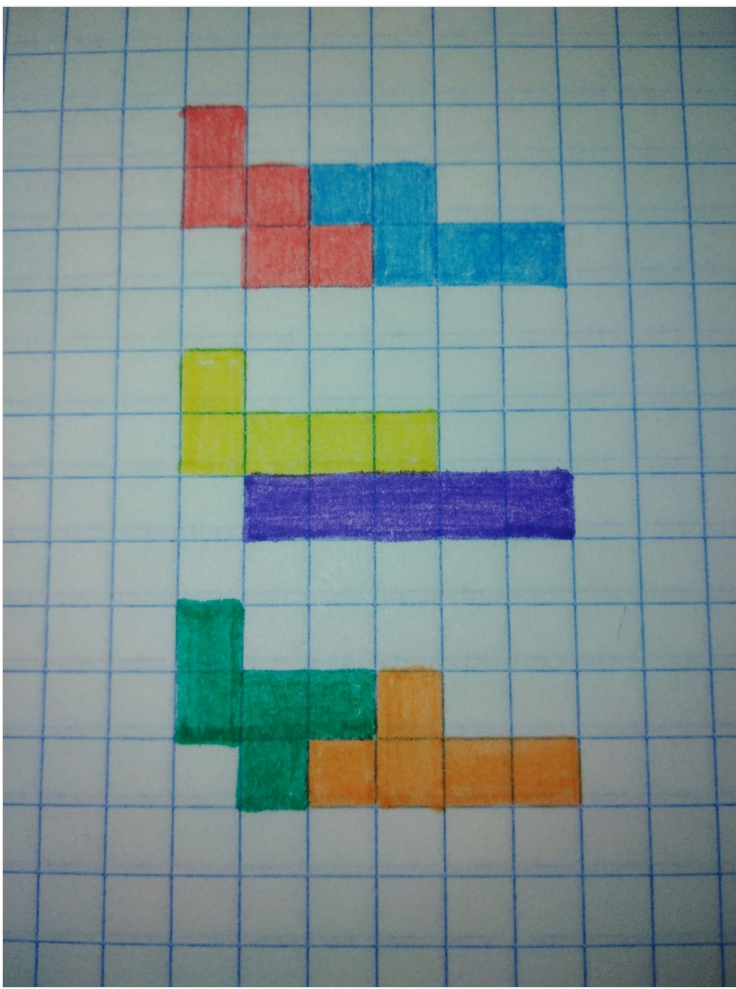
Alex\CZ



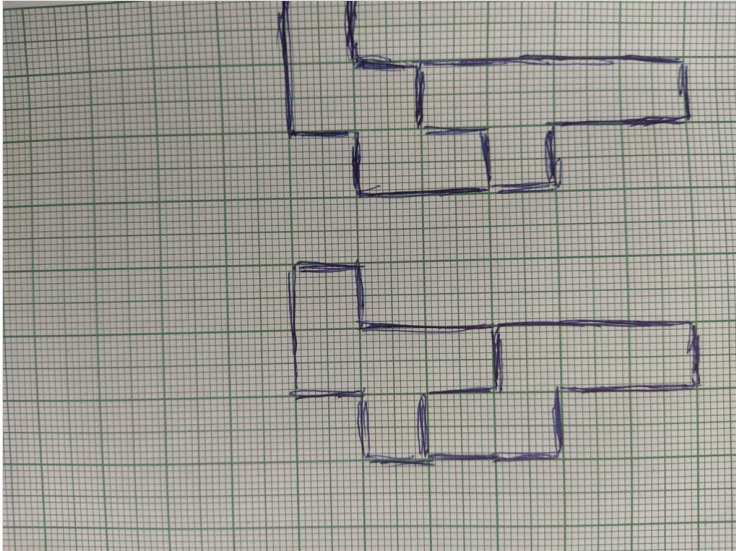
sk.Nina sk.Saška



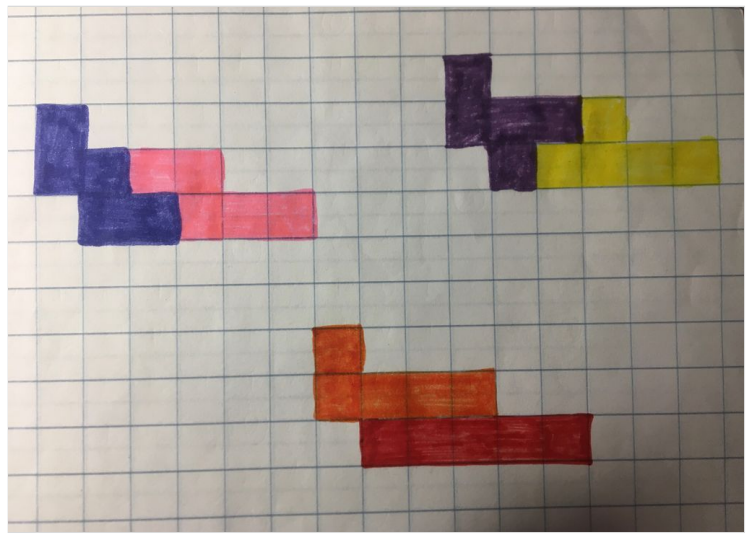
sk.laura sk.julia



sk.nika sk.viktoria



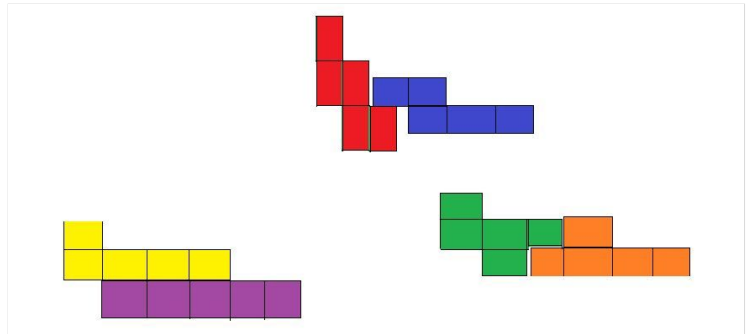
sk.timea sk.ivka



Kristyna/CZ

I tried it, but i did only two..

sk.Matej

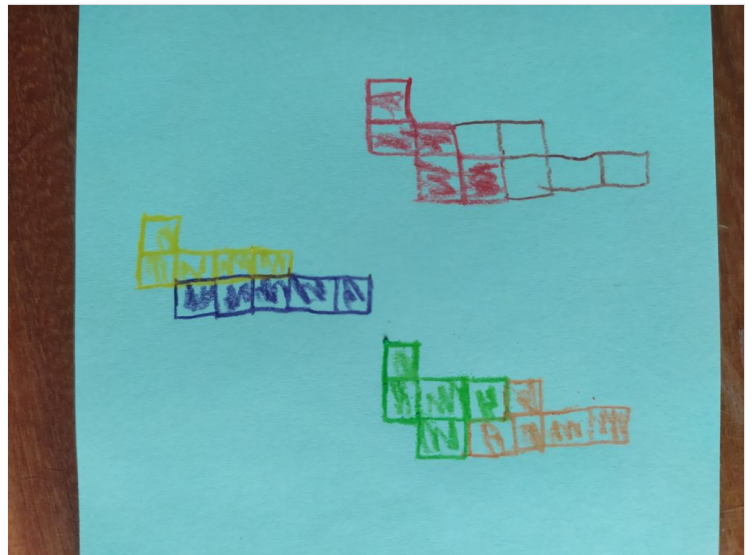


Efe Ç./Turkey

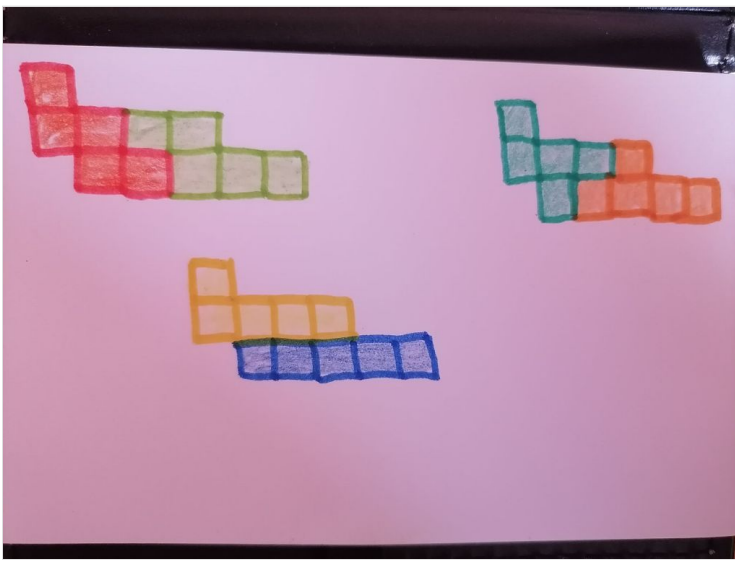
It was a very good question. I hope next time I can too

I did 7 steps 1. - I take two black pawns and I will put white pawn. 2. -I will take one white and one black pawn and I will put two black pawns on the table. 3. - I take from the table two white pawns and I will not put any pawns. 4. - If I take two black pawns I will put white pawn on the table.

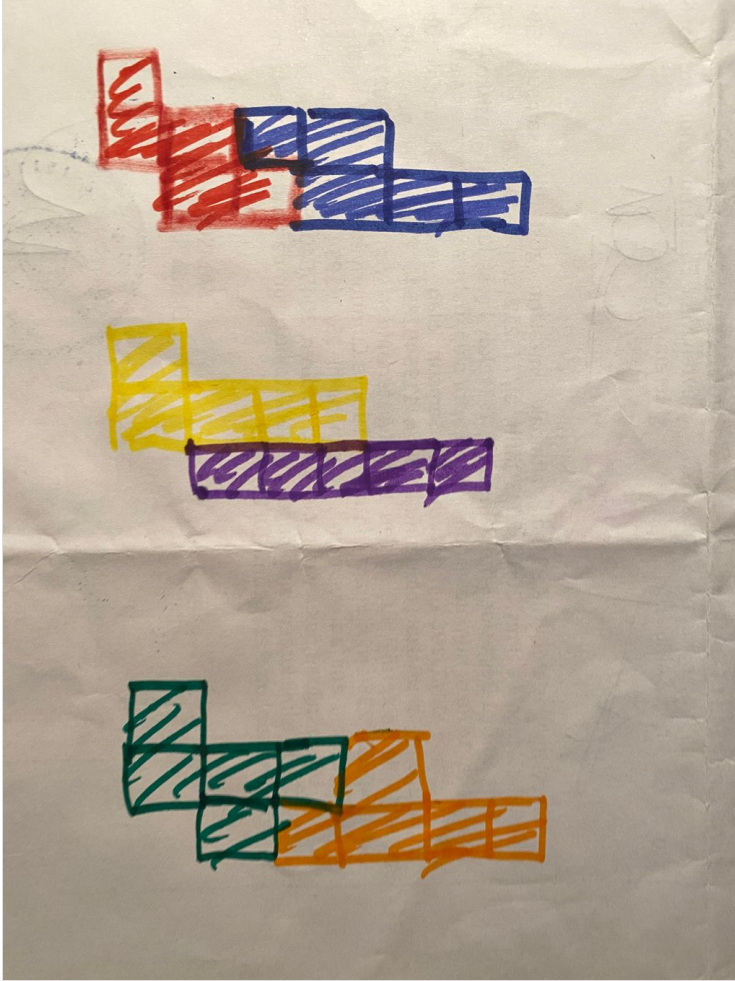
sk.samuel



sk.Renatka

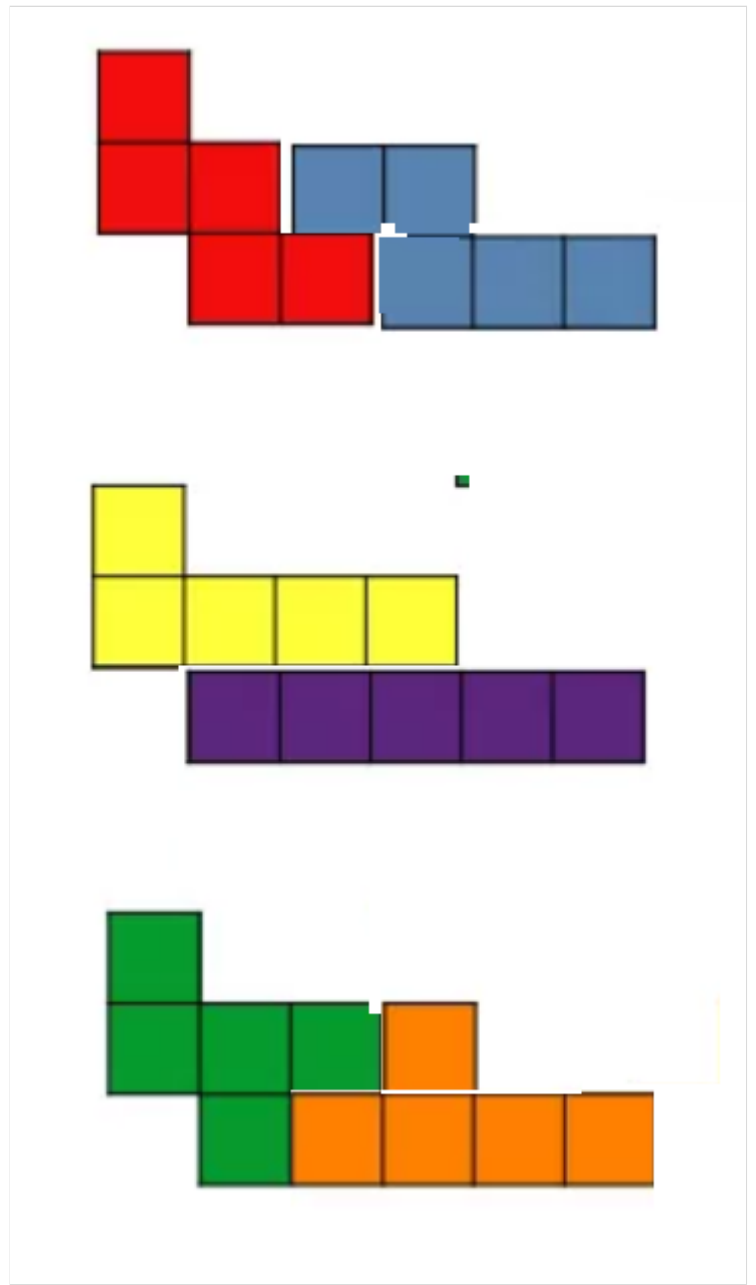


mehmet uram/derbent çpal

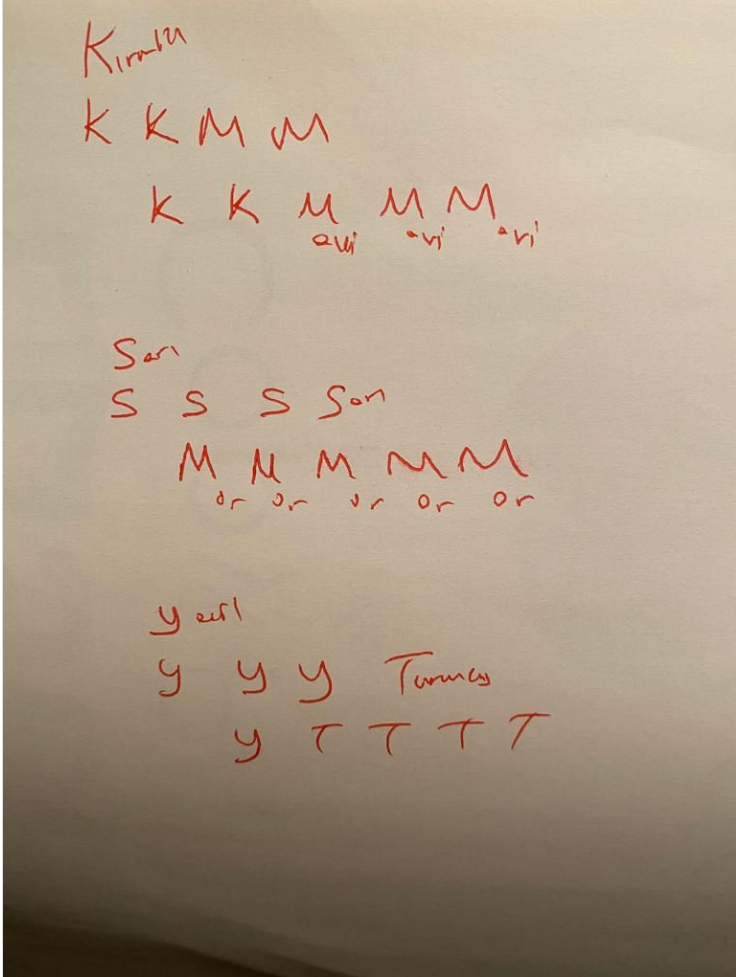


good mehmet - TUGBACAMDEREDERBENT

tugba/derbent çpal

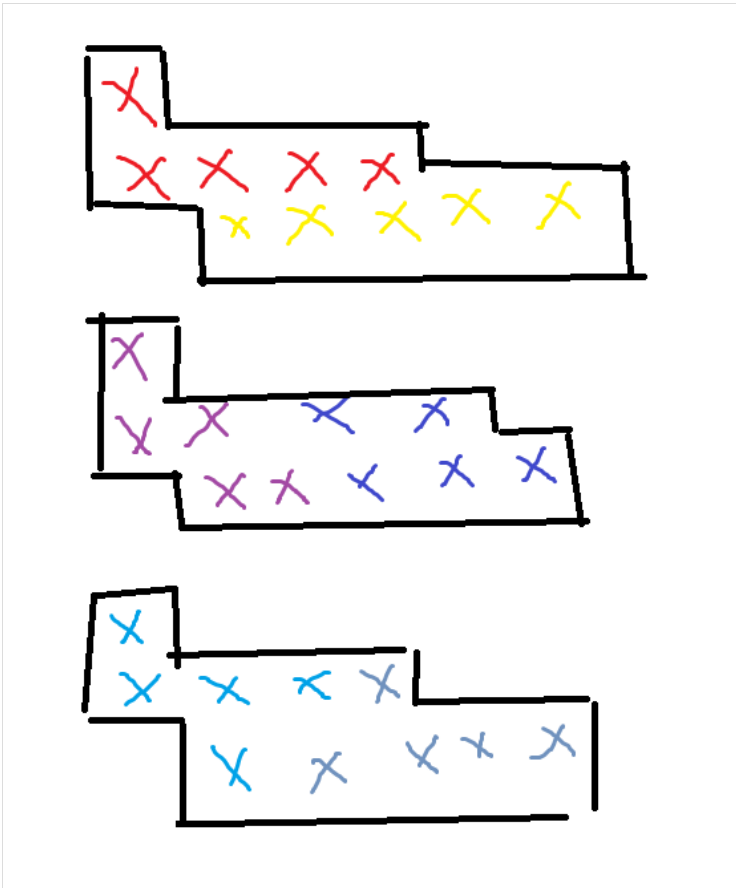


halil/derbent çpal

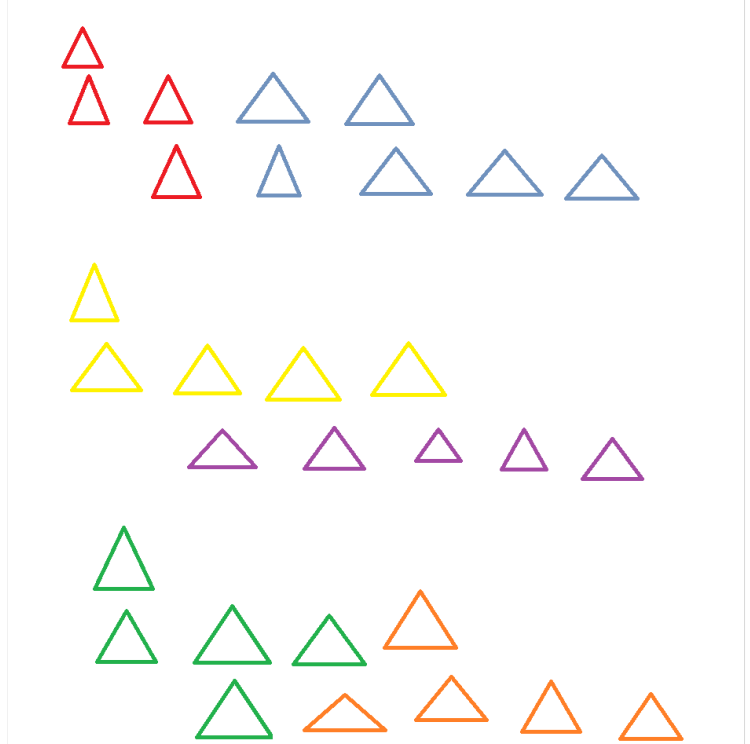


good halil - MUSTAFALCIDERBENT

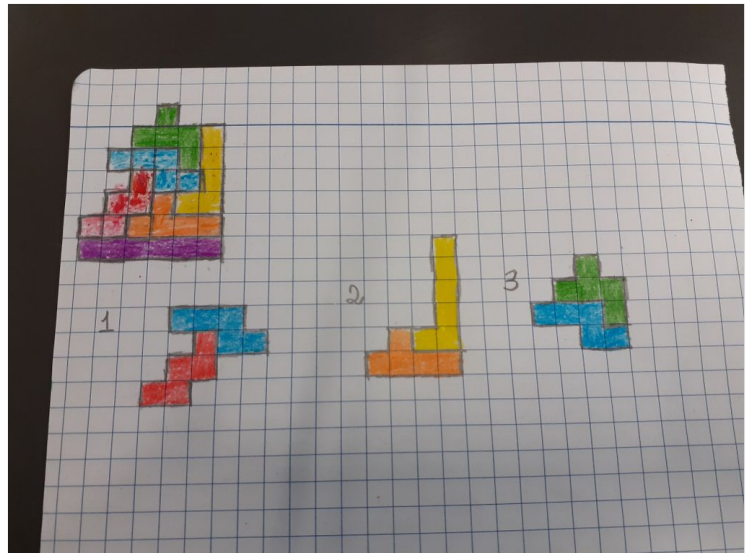
abidin/derbent çpal



mustafa/derbent

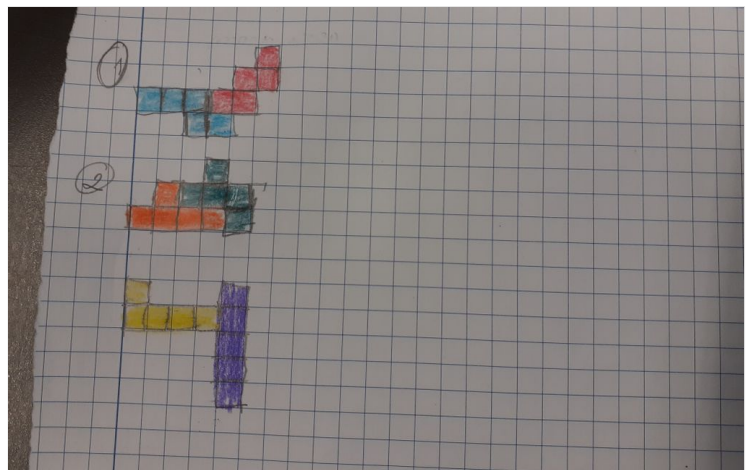


building a figure



Filipe, Pombal, Portugal - ACCFRANCISCO76

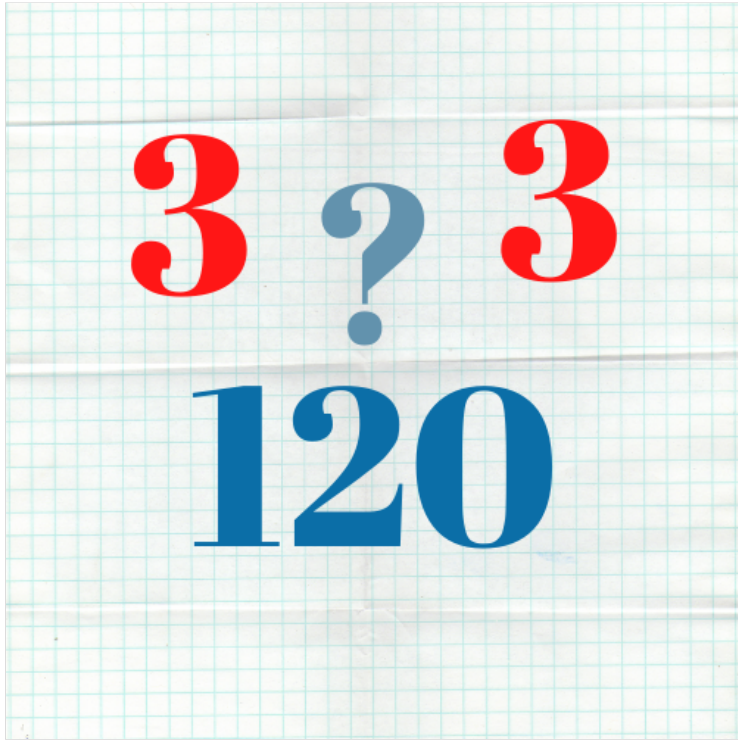
building a figure



Beto, Pombal, Portugal - ACCFRANCISCO76

Two Three

How do you get the number 120 by using two three?



Rabia/TURKEY

Two=2,Three=3 and (2+3)=120

nice – MEHMETURAM38

skVanesa

My example - $360 : 3 = 120$

sk Maruska

$$3x + 3x - 88 = 2x + 330 + 62$$

process :

$$3x + 3x - 88 = 2x + 330 + 62$$

$$6x - 88 = 2x + 392 \quad \backslash -2x, +88$$

$$4x = 480 \quad \backslash :4$$

$$x = 120$$

Congratulations – MEHMETURAM38

czRoman

This is my example: $3600/30 = 120$

sk. sima & sk. emanuella

in place, there are seven more solutions:

$$1 \times 2 \times 60 = 120$$

$$1 \times 3 \times 40 = 120$$

$$1 \times 4 \times 30 = 120$$

$$1 \times 5 \times 24 = 120$$

$$1 \times 6 \times 20 = 120$$

$$1 \times 8 \times 15 = 120$$

$$1 \times 10 \times 12 = 120$$

David Bui

$$30 \times 3 + 30 = 120$$

Štěpánka

$$360 : 3 = 120$$

$$3 \times 30 + 30 = 120$$

Michaela Ruttová

$$50 \times 2 + 20 = 120$$

$$30 \times 3 + 30 = 120$$

Kateřina Doležalová

$$360 : 3 = 120$$

sk.marianka

$$360:3=120$$

cz.Jakub

My solution is: $360 : 3 = 120$

sk.daniela, sk.slavka1, sk.helenka

$$360:3= 120$$

3 on 5 + 39

Tereza/CZ

Tatiana Zemanová

$$360 : 3 = 120$$

Alex\CZ

$$3 \times 2 \times 2 \times (2+2+2+2+2) = 120$$

Grigoriy

$$3 \times 3 \times (2+2+2+2+2) + 3 \times (2+2+2+2+2)$$

Mehmet Emin C.

$$3?3=120$$

$$3!=6, 5!=120, 6!=6.5!$$

$$6! : 6 = 5!$$

$$(3!) : 3! = 120$$

sk.laura sk.julia

$$120 : 3 : 3 = 120$$

sk.nika sk.viktoria

$$360:3=120$$

sk.timea sk.ivka

$$37+83=120$$

Kristyna/CZ

$$360/3=120$$

+

sk.Matej

My example is $360:3=120$

sk.Alex

My example:

$$40 \times 3 = 120, (30 \times 3) + 30 = 120$$

$$3 \times 120 = 360 : 3 = 120$$

Timmy

$3:3 + 119 = 120$

good — MUSTAFABALCIDERBENT

sk.bianka.1.2

$360:3=120$

sk.samuel

$3360:28=120$

mrgçağla TURKEY

$(3!)/3!=120$

sk.Renatka

$3 \times 120 = 360$

$360/3=120$

sk.Renatka

$3 \times 120 = 360$

$360/3=120$

mehmet uram/derbent çpal

$$\frac{3+3+3 \dots \dots \dots}{3} = 120$$

120 tane

tugba/derbent cpal

$30 + [(3+3+3+3+3+3+3+3+3) \times 3] = 120$

hail/derbent çpal

$(3!):3!=120$

abidin/derbent çpal

$[3 \times 30] + 30 = 120$

mustafa/derbent

$(3!)/3!=120$

$360/3=120$ cevap

Feyza T.

$(3!)/3!=120$

Portugal

$3600000:30000=120$

Pawns

Pawns

There are 3 white and 4 black pawns on the table. Your task is to take two pawns at each step and not leave any pawns on the table. You can take any two pawns you want, but two pawns;

- If one is white and one is black, you will put two black pawns on the table.

- If both are black, you will put a white pawn on the table.

- If both are white, you will not put any pawns on the table.

How many steps at least are required to successfully complete your mission?



Wonderfull and as — MELISA NUR YOZLU

i love chess — HALILKAYALAR38

skMaruska

7 steps at least are required to successfully complete the mission.

(process :

1 - If both are white, you will not put any pawns on the table.

2 - If both are black, you will put a white pawn on the table.

3 - If one is white and one is black, you will put two black pawns on the table.

4 - If one is white and one is black, you will put two black pawns on the table.

5 - If both are black, you will put a white pawn on the table.

6 - If both are black, you will put a white pawn on the table.

7 - If both are white, you will not put any pawns on the table.)

Great, congratulations! — ÖZLEM KAHRAMAN

skVanesa

1. - At my first step I take two black pawns and I will put white pawn.

2. - Next I will take one white and one black pawn and I will put two black pawns on the table.

3. - In the third step I take from the table two white pawns and I will not put any pawns.

4. - If I take two black pawns I will put white pawn on the table.

5. - In next step I take one black and one white pawn again and I will put on the table two black pawns.

6. - I take two black pawns and I will put one white pawn.

7. - In the last step I take two white pawns and I will not put any pawns. There are no already pawns on the table.

I did 7 steps to successfully complete this mission.

Congratulations! — ÖZLEM KAHRAMAN

sk.sima & sk.emanella

we reached the finish line in 7 steps and there was no pawn left on the table

sk.marianka

1. - At my first step I take two black pawns and I will put white pawn.

2. - Next I will take one white and one black pawn and I will put two black pawns on the table.

3. - In the third step I take from the table two white pawns and I will not put any pawns.

4. - If I take two black pawns I will put white pawn on the table.

5. - In next step I take one black and one white pawn again and I will put on the table two black pawns.

6. - I take two black pawns and I will put one white pawn.

7. - In the last step I take two white pawns and I will not put any pawns. There are no already pawns on the table.

Grigoriy

I can do it in 4 steps.

- 1 step - 2 black, and no white back on the table, because all of them are on the table.
- 2 step - 2 white. After that we will have 2 black and 1 white on the table.
- 3 step - two black and one white back on the table. 2 white remains.
- 4 step - two white.

sk.Nina sk.Saška

Step 1 - We took two black pawns and added one white pawn Step 2 - We took one black and one white pawn and added two black poachers Step 3 - We took one black and one white pawn and added two black poachers Step 4 - We took two black pawns and added one white pawn Step 5 - We took two black pawns and added one white pawn Step 6 - We took two white pawns and I didn't add a single pawn Step 7 - We took two white pawns and I didn't add a single pawn We didn't have a single pawn left on the table, so we solved this task in seven steps.

sk.timea sk.ivka

I did 7 steps

1. - I take two black pawns and I will put white pawn.
2. -I will take one white and one black pawn and I will put two black pawns on the table.
3. - I take from the table two white pawns and I will not put any pawns.
4. - If I take two black pawns I will put white pawn on the table.
5. - I take one black and one white pawn again and I will put on the table two black pawns.
6. - I take two black pawns and I will put one white pawn.
7. - I take two white pawns and I will not put any pawns. There are no already pawns on the table.

very hard – HALILKAYALAR38

sk.Matej

- 1 step two black
- 2 step two white
- 3 step two black
- 4 step two white

beautiful – HALILKAYALAR38

sk.bianka.1 2.

I did 7 steps

- 1I take two black pawns and I will put white pawn.
- 2 If both are black, you will put a white pawn on the table.
- 3 If both are black, you will put a white pawn on the table.

I did 7 steps 1. - I take two black pawns and I will put white pawn. 2. -I will take one white and one black pawn and I will put two black pawns on the table. 3. - I take from the table two white pawns and I will not put any pawns. 4. - If I take two black pawns I will put white pawn on the table.

sk. Renatka

I took these steps to solve this task.

1. I took one white pawn and one black pawn, I put them on the table together with 2 black pawns.
2. I repeated the previous step. (1 white and 1 black pawn + 2 black pawns)
3. I take another 2 black pawns and assign one white pawn to them.
4. To 2 white pawns I assign 1 black pawn.
5. In the last step, I will not add anything, because there are no more pawns on the table.

mehmet uram/derbent çpal

- 1 step two black
- 2 step two white
- 3 step two black
- 4 steps two white

tugba/derbent çpal

We reached the finish line in 8 steps and there are no pawns on the table ... it was fun :)

thank you – HALILKAYALAR38

halil/derbent çpal

When I understand the question, I will solve it :)

abidin/derbent çpal

I took these steps to solve this task.

1. I took one white pawn and one black pawn, I put them on the table together with 2 black pawns.
2. I repeated the previous step. (1 white and 1 black pawn + 2 black pawns)
3. I take another 2 black pawns and assign one white pawn to them.
4. To 2 white pawns I assign 1 black pawn.
5. In the last step, I will not add anything, because there are no more pawns on the table.

mustafa/derbent

- 1 step two black
- 2 step two white
- 3 step two black
- 4 step two white

good – TUGBACAMDEREDERBENT

Homecoming

Homecoming

Mr. X uses the subway on his way home in the evening. When he gets off the metro at 18:00, his driver arrives at the station at that very hour and continues with his car to the rest of the road. One day, Mr. X arrives at the station 1 hour early and starts walking because his driver has not arrived yet. When he meets his driver on the way, he gets into the car, and reaches home 10 minutes earlier than usual. So how many minutes did Mr X walk?



Gül/Turkey The car does not travel the road from the meeting points to the station . That's why he gets home 10 minutes early . this road is 5 minutes by car and 55 minutes for X . So X may have walked for 55 minutes. – ANONYMNÝ

Beren C./TURKEY ı agree with you Gül – ANONYMNÝ

Congratulations Gül, It's true answer. – ÖZLEM KAHRAMAN

good – TUGBACAMDEREDERBENT

skVanesa

I thought about this task for a very long time, but I still do not know how to solve it.

sk.marianka

this is really hard and i try to solve it but i dont know

sk.Nina sk.Saška

we try to solve it, but we dont know it

sk.timea sk.ivka

we think Mr. X walked an hour

sk.Matej

I try it but I dont know it

sk.Alex

I can't solve the task. It's quite complicated.

sk.bianka. 1 2.

walked an hour

sk.Renatka

I think Mr. X walked for less than an hour, but I do not know the exact solution to this task.

mehmet uram/derbent çpal

I want to solve the task but it seems too complicated to me

tugba/derbent çpal

This question is very difficult for me :(

halil/derbent çpal

I think you walked for an hour

abidin/derbent çpal

I congratulate myself for not finding

mustafa/derbent we try to solve it, but we dont know it

Subway

Subway

There is a mutual subway service between stations A and B every x minutes. A student who uses this subway on his way to school encounters 21 subway trains coming from the opposite direction (including the start and end moments). Given that the speeds of the subway trains are the same, and a trip takes 2 hours, what is x ?



skVanesa

2 hours = 120 minutes

Between 21 subway trains are 20 moments.

That is $120:20=6$, x is 6 minutes.

Michaela Ruttová

2 hours-120 minutes

It's 20 pauses. $120 : 20 = 6$

$x = 6$ minutes

sk.marianka

2 hours= 120 minutes

it's 20 pauses

$120:20 = 60$ $x= 6$ minutes

good – HALILKAYALAR38

cz.Jakub

Since the start and end moments include the number of encountered trains goes down to 20.

Then we just simply divide the amount of minutes by the number of trains.

$120 : 20 = x$

$x = 6$

So trains go by the stations every 6 minutes.

nice – HALILKAYALAR38

sk.daniela, sk.slavka, sk.helenka

$120:20=6$ minutes

Tatiana Zemanová

2 hours = 120 minutes

$120 : 20 = x$

$x = 6$

Beyzanur D.

It encounters trains moving in a total of 4 hours.

4 hours = 240 minutes

$240 : x + 1 = 21$

$240 : x = 20$

$x = 240 : 20 = 12$ minutes.

sk.Nina sk.Saška

2 hours- 120 minutes

$120 : 20 = 6$

$x = 6$ minutes

sk.nika sk.viktoria

$120:20=6$ minutes

congratulations – TUGBACAMDEREDERBENT

sk.timea sk.ivka

2 hours=120 min

$120:21= 5,7$

sk.Matej

2 hours= 120 minutes

20 pauses $120:20 = 6$

$x = 6$ minutes

sk.Alex

120 minutes

21 subway trains

20 pauses

$120:20= 6$

$x= 6$ minutes

ak.bianka. 1 2.

$120:20=6$ minutes

good – MUSTAFABALCIDERBENT

Congratulations – MEHMETURAM38

$120:20=6$ minutes

sk.Renatka

2 hours that is 120 minutes.
20 pauses
 $120/20=6$
 $x=6$ minutes

mehmet uram/derbent çpal

2 hours = 120 minutes
20 stops
120: 20 = 60 x = 6 minutes

tugba/derbent çpal

This question is very difficult for me :(

tugba :) — HALILKAYALAR38

halil/derbent çpal

I think $120/20 = 6$ minutes

abidin/derbent çpal

6 minute in my opinion

mustafa/derbent

It encounters trains moving in a total of 4 hours.
4 hours = 240 minutes
 $240 : x + 1 = 21$
 $240 : x = 20$
 $x = 240 : 20 = 12$ minutes.

Community

Community

How would you divide a community of 10 people into two subgroups of at least one person each?



I would divide them according to their age. Kids with kids and adults with adults. — PATRIK HAVLIK

I thought that — EVRIMYELDA

skMaruska

I would divide them - according to the mood (who is in a good mood and who is in a bad mood)

skVanesa

I would divide these 10 people by age. In the first group there are five children and teenagers and in second group there are five adults.

very nice — MEHMETURAM38

czRoman

I would divide this community as follows: The first group will be called Men's community. In the first group are two mens and one young boy. The second group will be called women's community. In the second community are two lady, two womens and three misses.

sk.sima & k. emanella

depending on whether they have dark or light hair

Six Pieces

Michaela Ruttová, 2.F

třeba 4 a 6, 1 a 9...

sk.marianka

i would divede them - according to their eye color one group of blue and green eyes and the other group of brown eyes

sk.daniela sk.slavka sk.helenka

Depending on whether they have short or long hair.

Congratulations — MEHMETURAM38

Beyhan D.

We can divide this community into two subgroups of 1-9, 2-8, 3-7, 4-6, 5-5 people.

$$\begin{aligned} & \binom{10}{1} + \binom{10}{2} + \binom{10}{3} + \binom{10}{4} + \binom{10}{5} \\ &= \frac{10!}{9! \cdot 1!} + \frac{10!}{8! \cdot 2!} + \frac{10!}{7! \cdot 3!} + \frac{10!}{6! \cdot 4!} + \frac{10!}{5! \cdot 5!} \\ &= 10 + 45 + 120 + 210 + 252 \\ &= 637 \end{aligned}$$

sk.Nina sk.Saška

I would divide them according to their gender - male group and female group.

sk.laura sk.julia

We would divide them according to the grades at school. In the first group 1, 2 and 3 and in the second group 4 and 5.

sk.nika sk.viktoria

We would divide them according to their personality types. Extroverts in one group and introverts in another group

sk.timea sk.ivka

we would divide the community of people into 5 groups
1-9
2-8
3-7
4-6
5-5

You are right — HALILKAYALAR38

sk.Matej

I would divide them according their age

sk.Alex

E.g.
1 and 9, 2 and 8, 3 and 7, 4 and 6, 5 and 5,

sk.bianka. 1 2.

I would divide the communiti of people into 5 groups

sk.samuel

I would devide them by hair length, people with long hair will be in one group and those with short in another.

sk.Renatka

I would divide 10 people into subgroups for children and adults.

mehmet uram/derbent çpal

I would subdivide 10 people for men and women.

tugba/derbent çpal

separating by age made the most sense to me

halil/derbent çpal

people can be divided in many different ways

abidin/derbent çpal

male or female

mustafa/derbent

I would choose those with colored eyes

We can divide the two subgroups as 5 persons

Portugal

It grouped: a group of men and one of women
