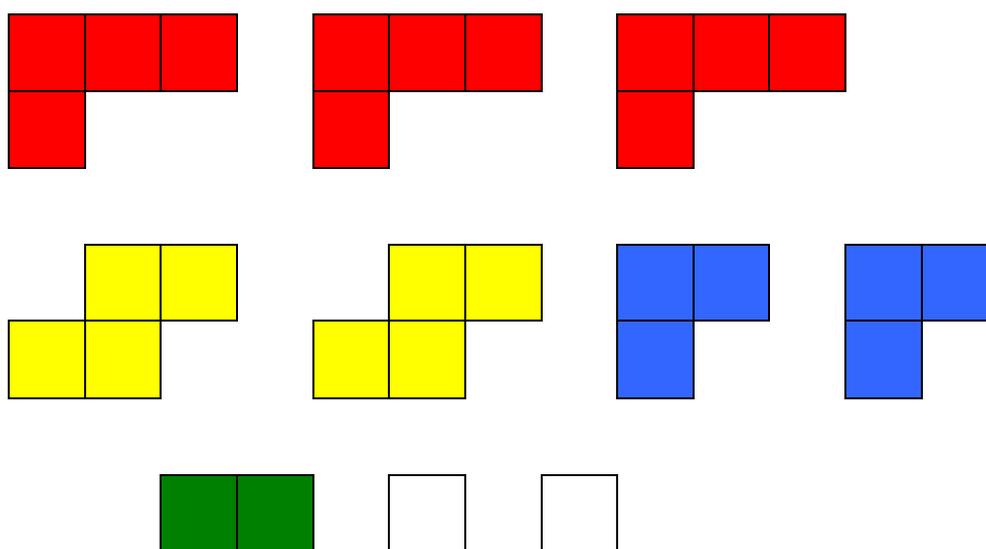
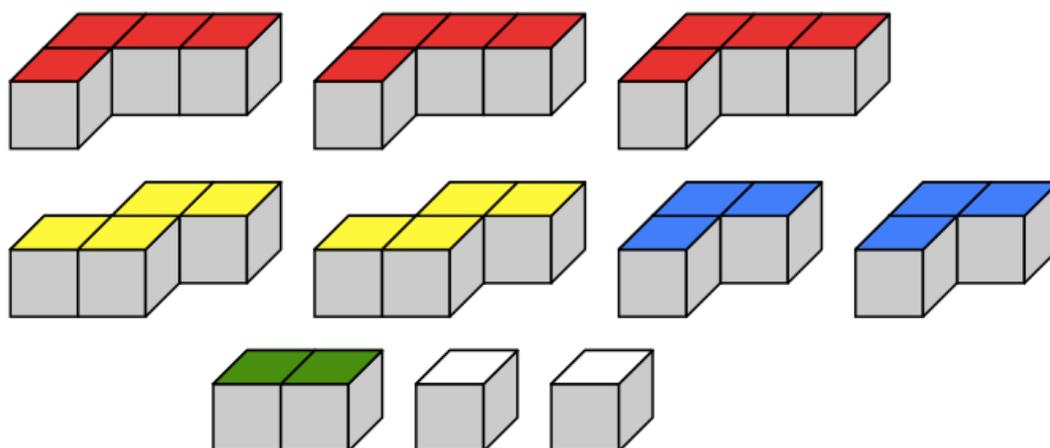


# Utilisations des pièces du « puzzle aztèque » en CP-CE1

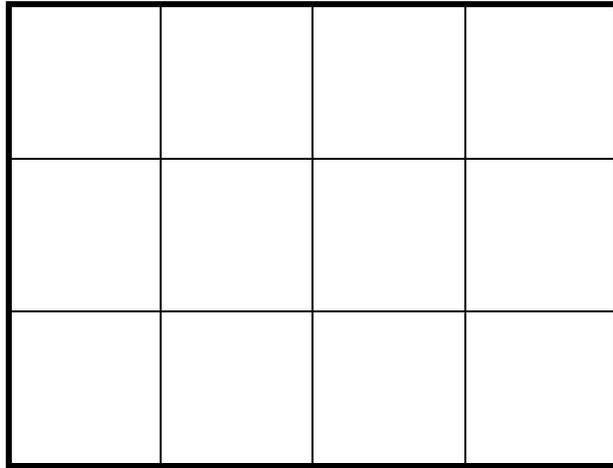


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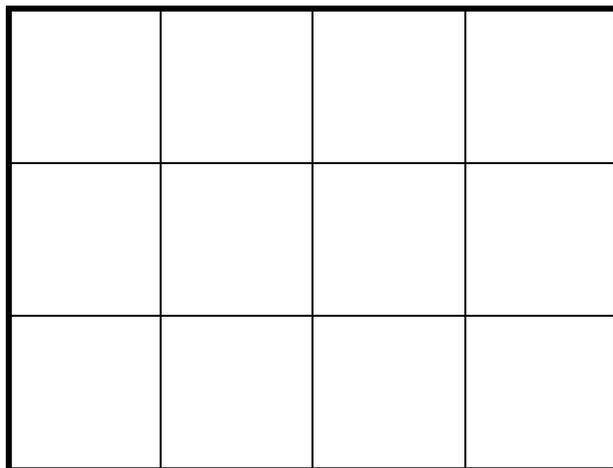
*Les carrés unitaires des pièces utilisées avaient 3 cm de côté. Les activités ont été adaptées pour des pièces de carrés unitaires 2cm.*

## Des rectangles formés de 12 carreaux

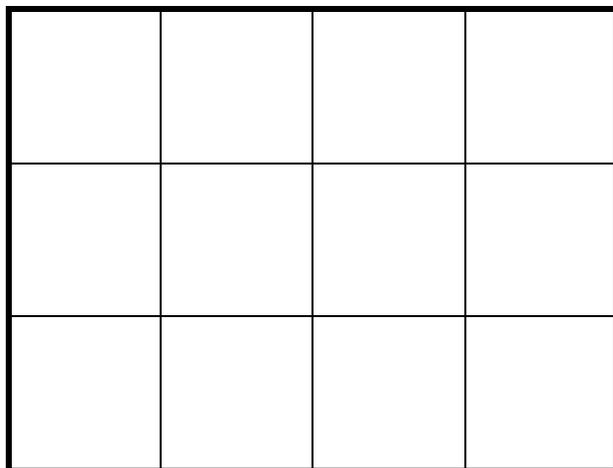
Le rectangle à recouvrir



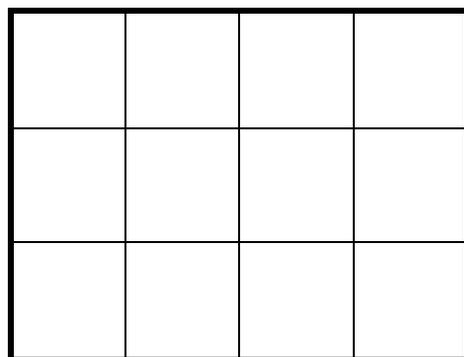
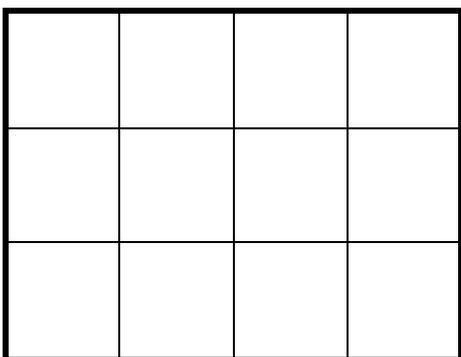
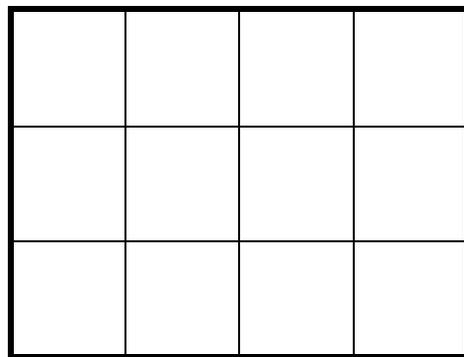
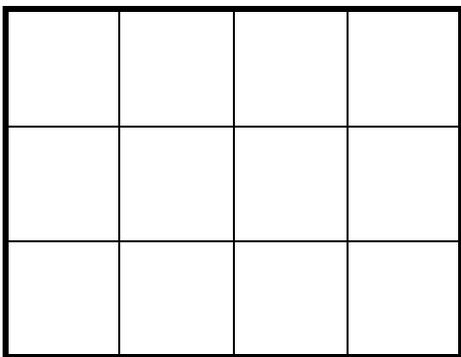
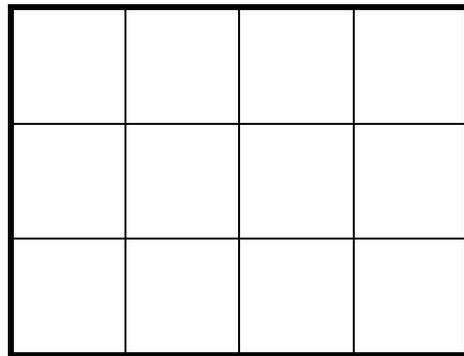
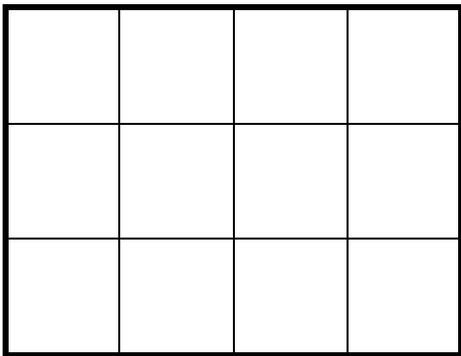
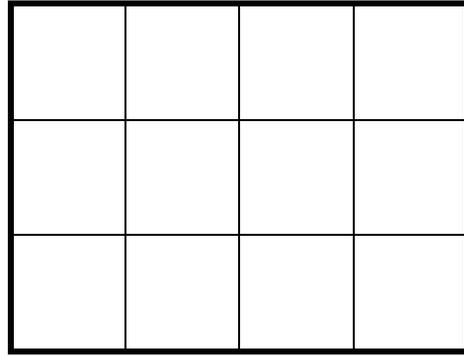
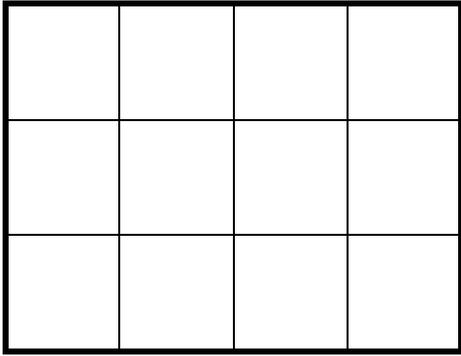
Le rectangle à recouvrir



Le rectangle à recouvrir



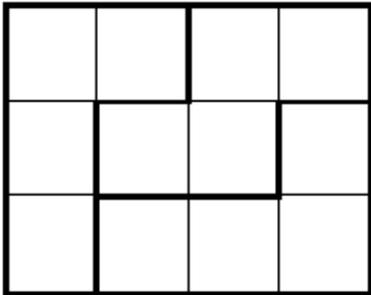
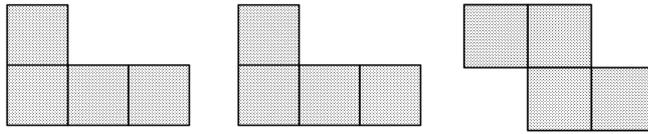
Pour les rectangles trouvés



## Des rectangles (1)

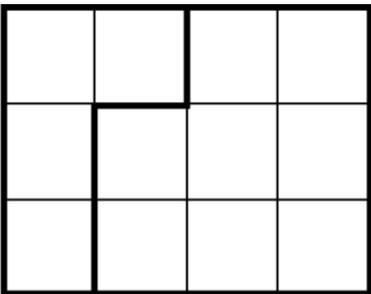
### Un premier rectangle

Les pièces



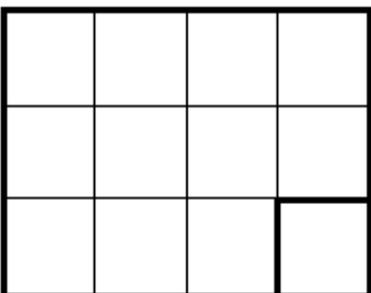
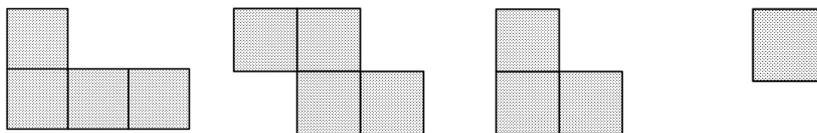
### Un deuxième rectangle

Les pièces



### Un troisième rectangle

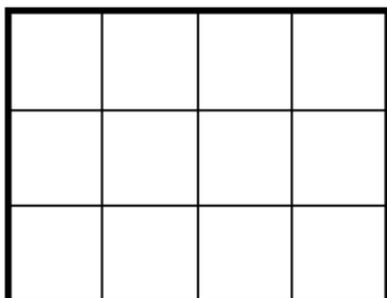
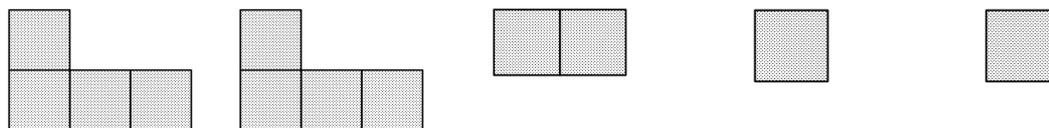
Les pièces



## Des rectangles (2)

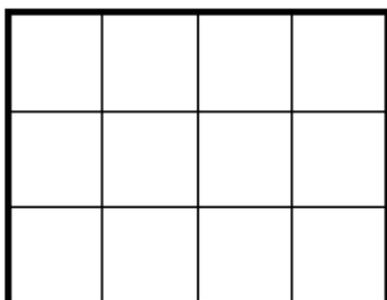
### Un quatrième rectangle

Les pièces



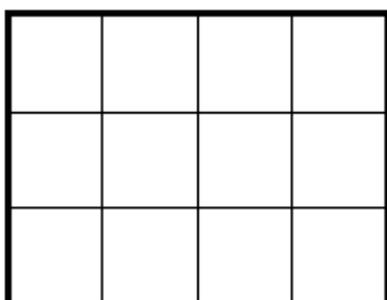
### Un cinquième rectangle

Les pièces



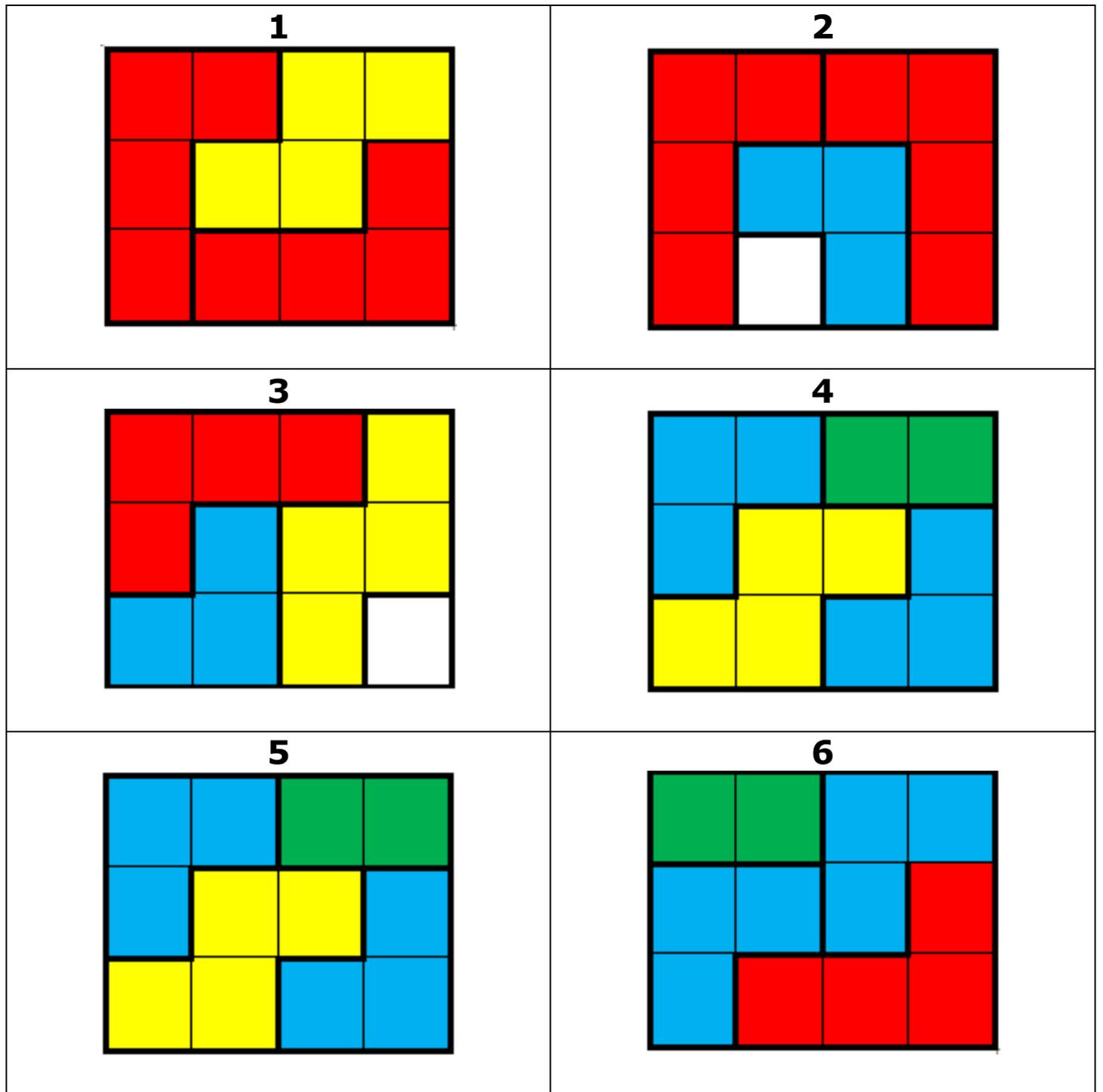
### Un sixième rectangle

Les pièces



## Des rectangles (3)

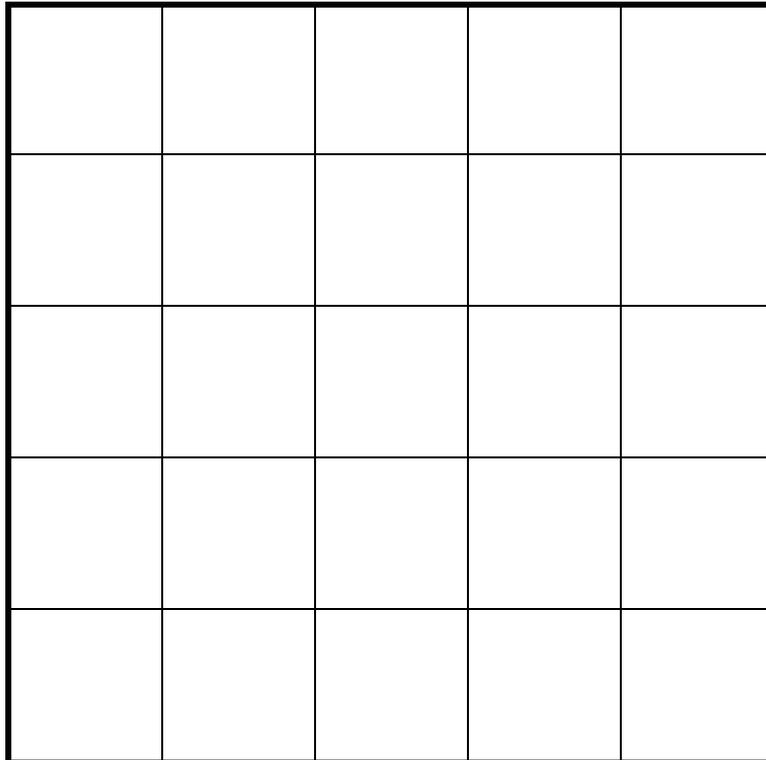
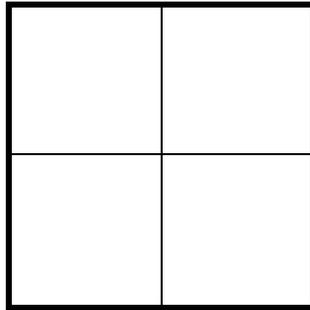
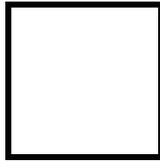
### Des solutions



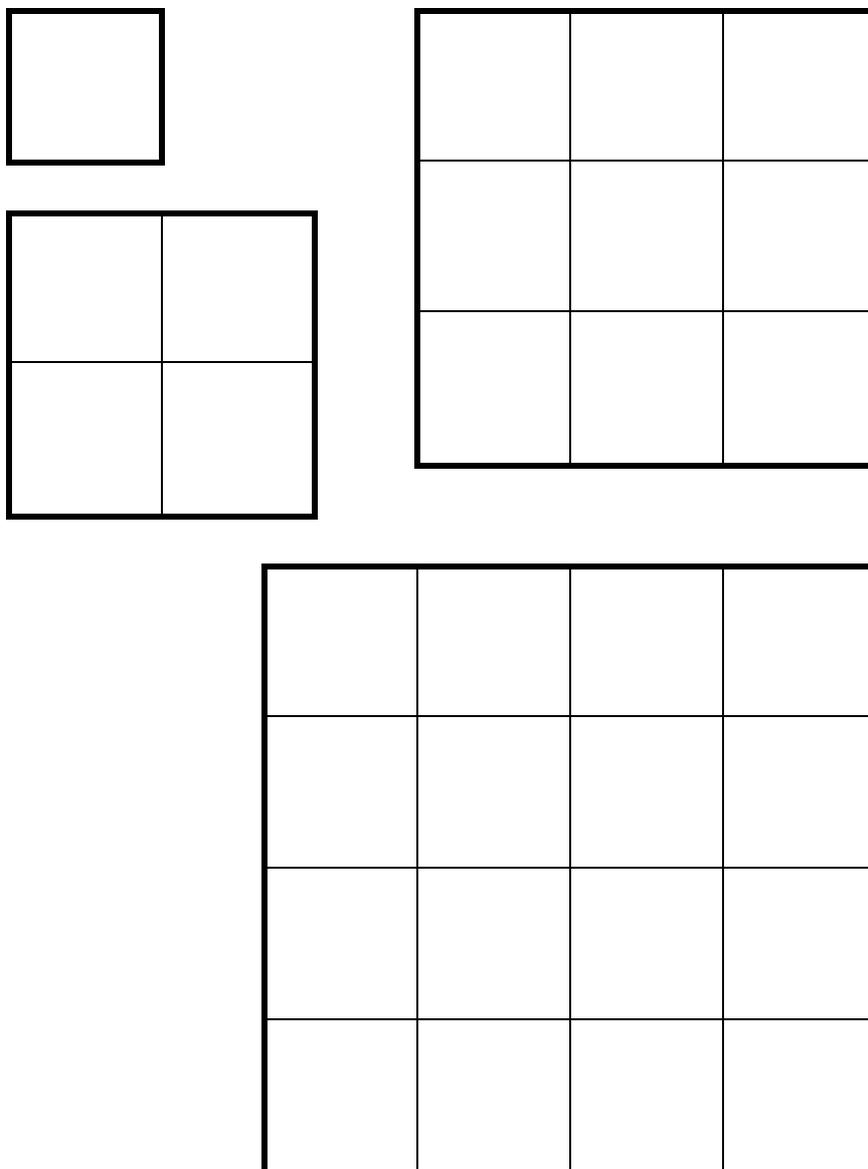
D'autres solutions existent.

*Document pouvant être projeté*

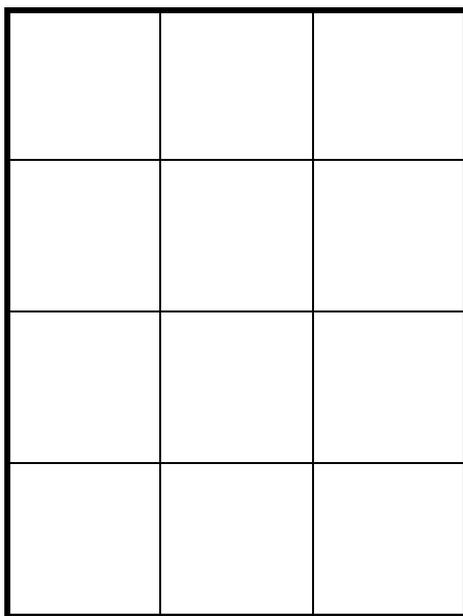
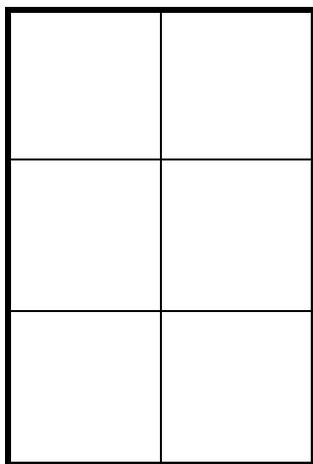
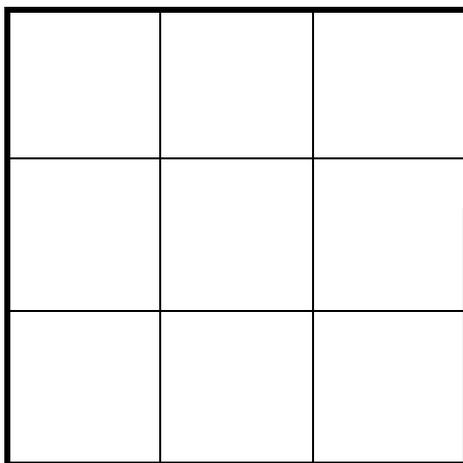
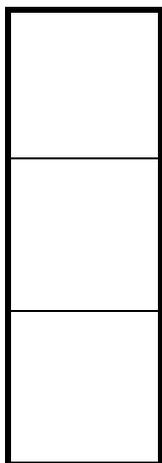
## Trois carrés à recouvrir



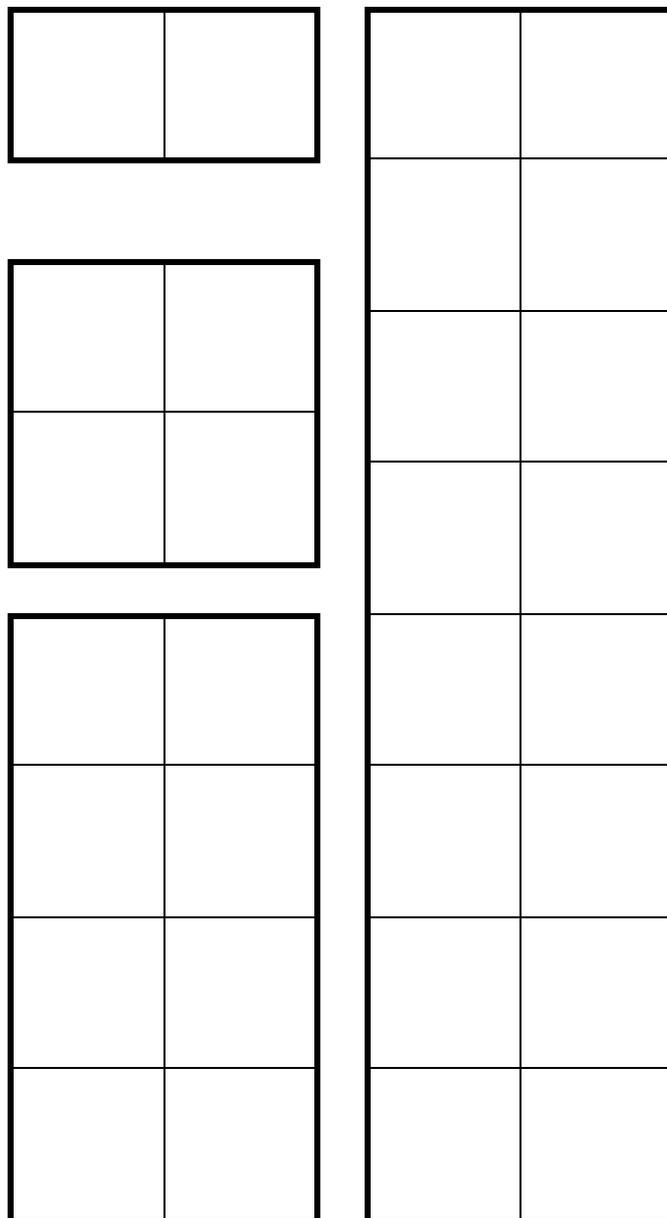
# Quatre carrés à recouvrir



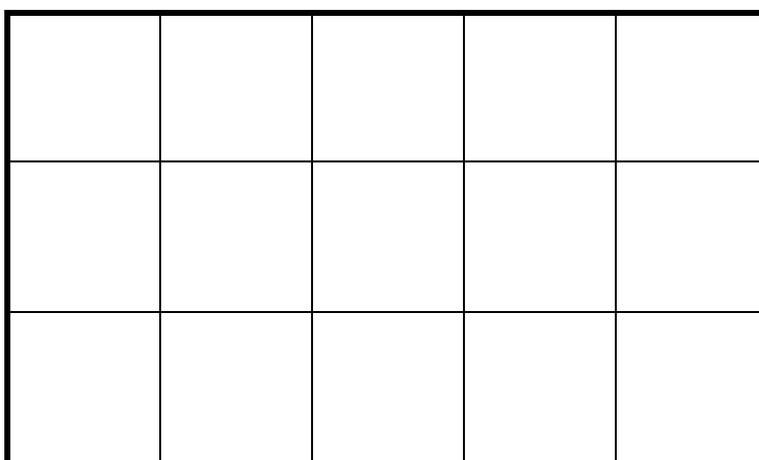
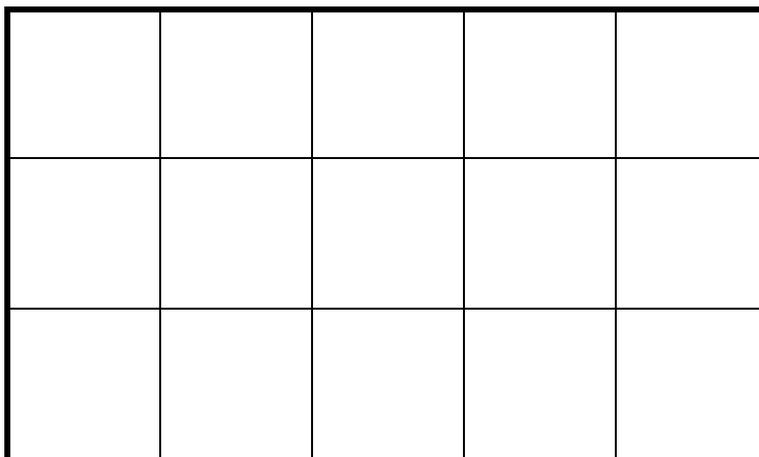
## Un carré et trois rectangles à recouvrir (1)



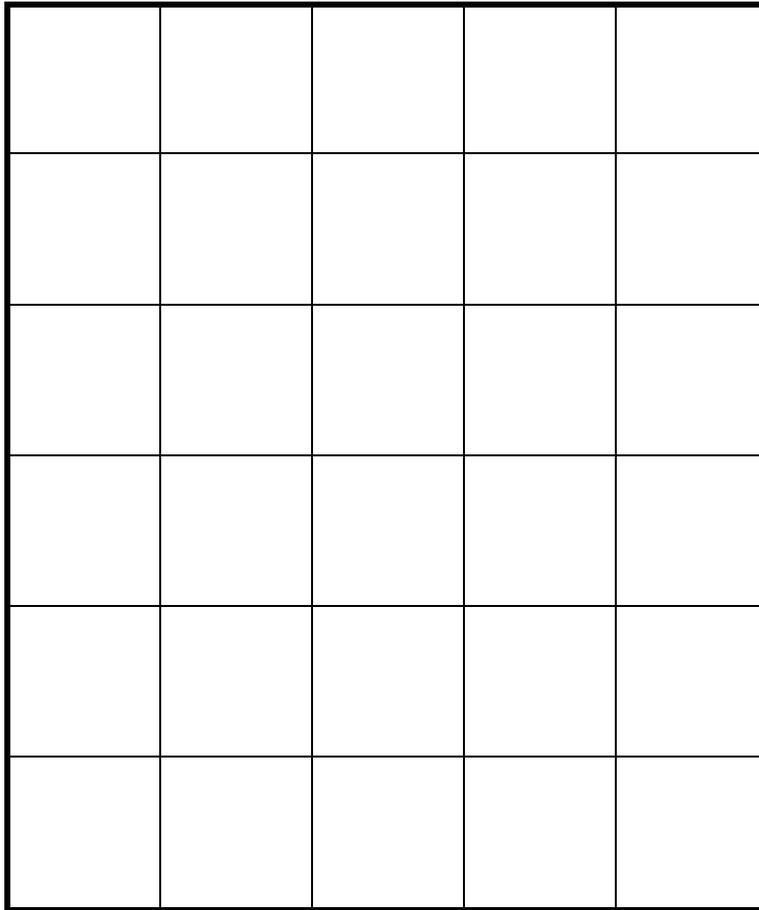
## Un carré et trois rectangles à recouvrir (2)



## Deux rectangles à recouvrir

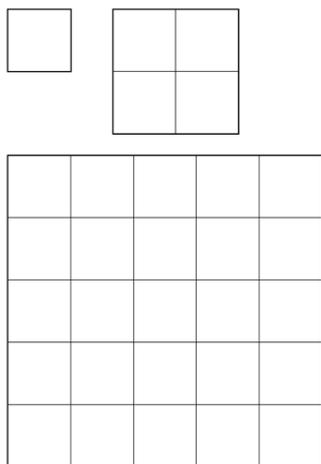


# Un rectangle à recouvrir

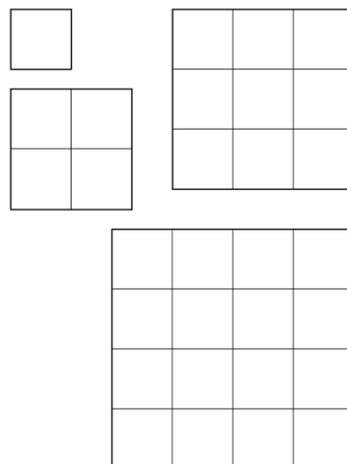


# Des carrés et des rectangles

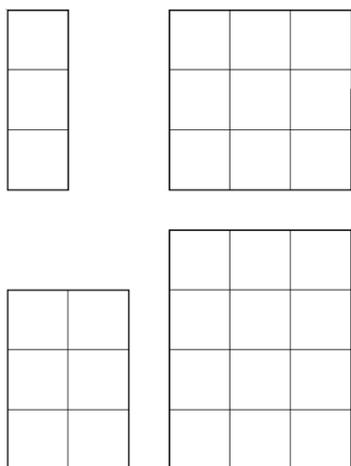
**3 carrés**



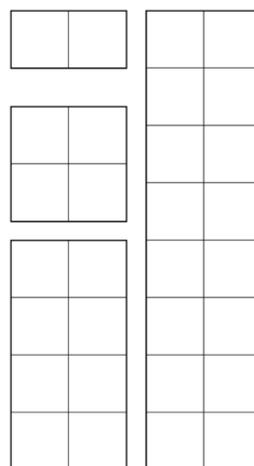
**4 carrés**



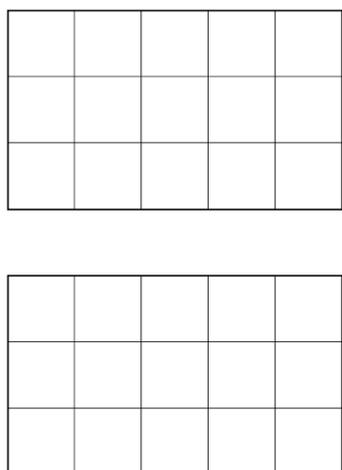
**1 carré et 3 rectangles (1)**



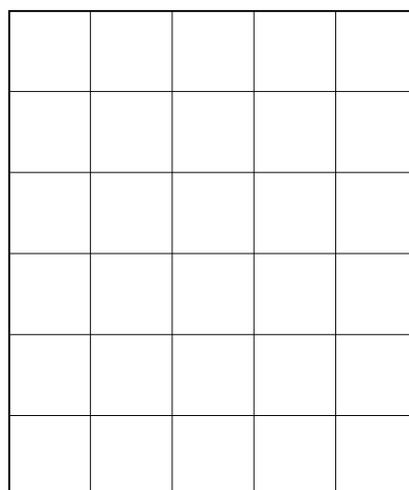
**1 carré et 3 rectangles (2)**



**2 rectangles**



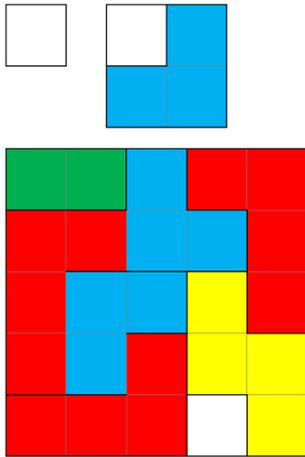
**1 rectangle**



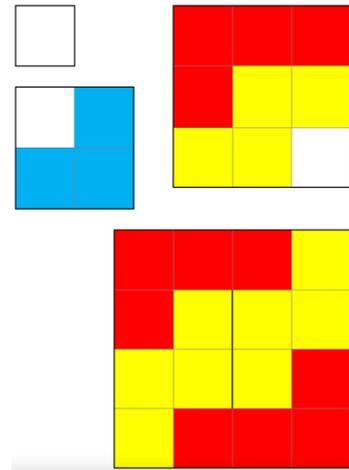
*Pour recueillir ce que les élèves ont trouvé*

# Des carrés et des rectangles (des solutions)

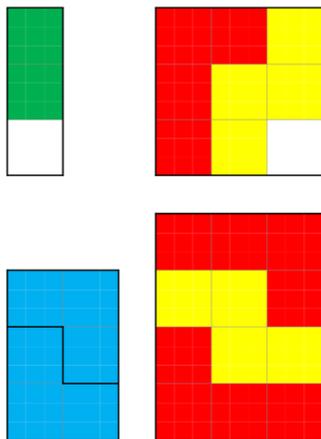
**3 carrés**



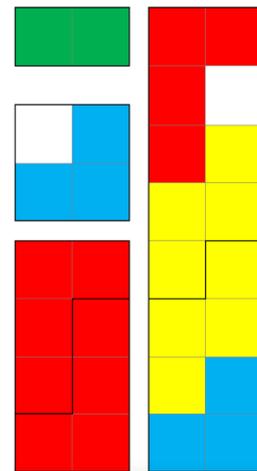
**4 carrés**



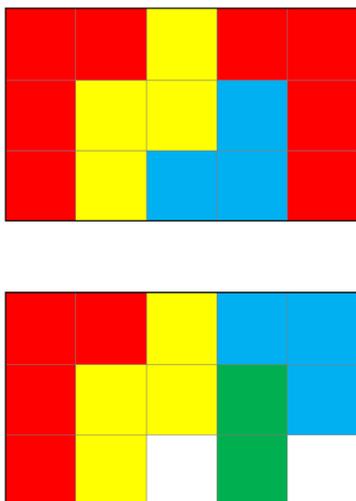
**1 carré et 3 rectangles (1)**



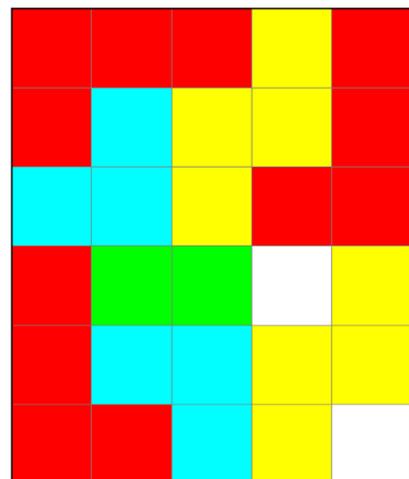
**1 carré et 3 rectangles (2)**



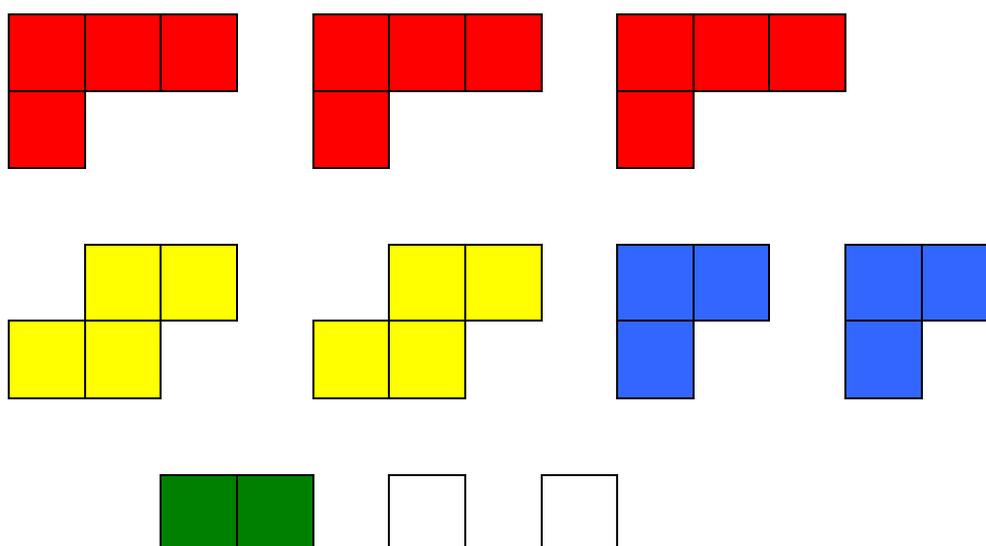
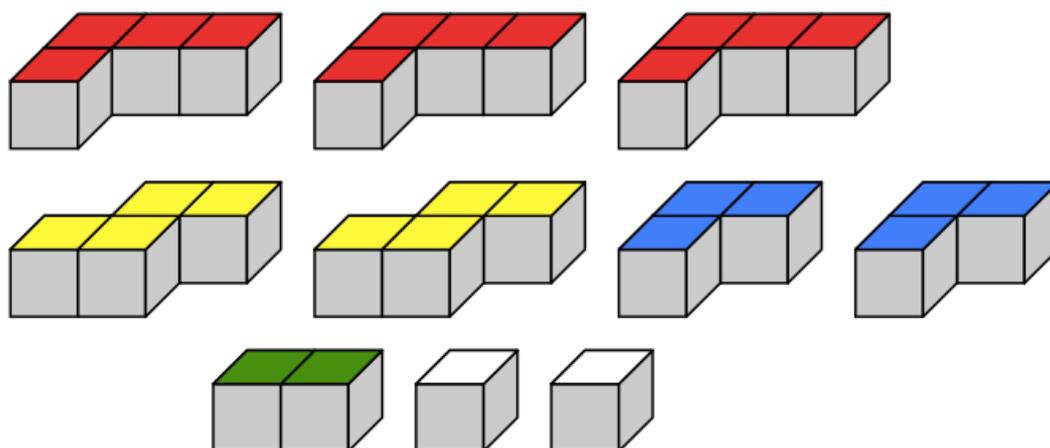
**2 rectangles**



**1 rectangle**



# Utilisations des pièces du « puzzle aztèque » en CE2

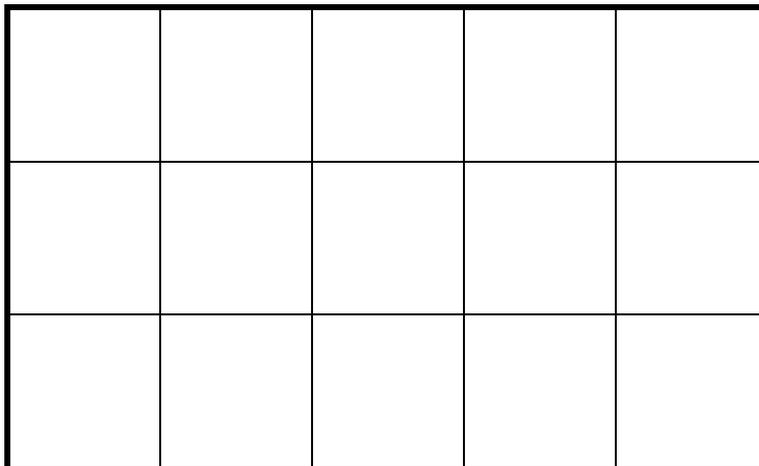


École de Sampigny  
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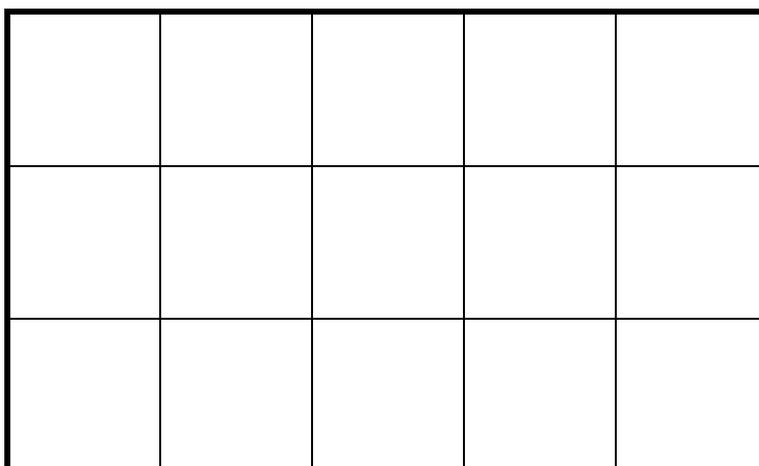
*Les carrés unitaires des pièces utilisées avaient 3 cm de côté. Les activités ont été adaptées pour des pièces de carrés unitaires 2cm.*

## Des rectangles formés de 15 carreaux

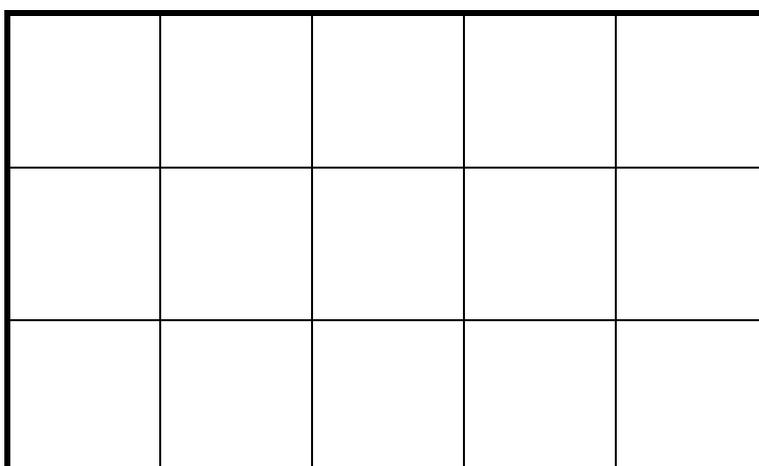
Le rectangle à recouvrir



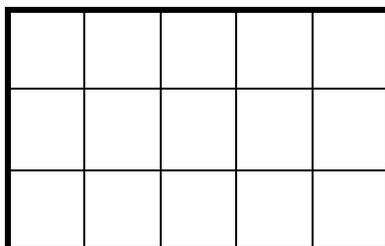
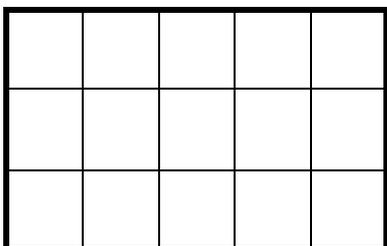
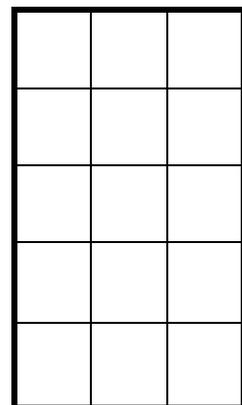
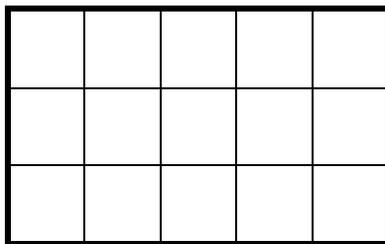
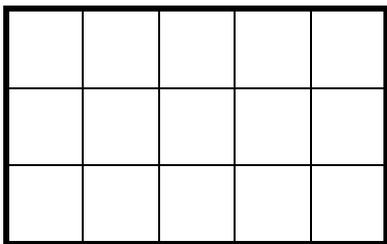
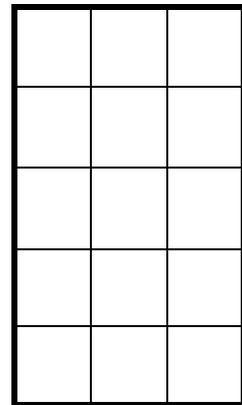
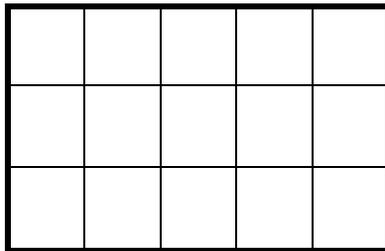
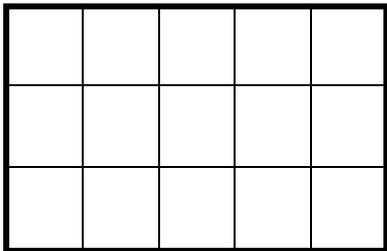
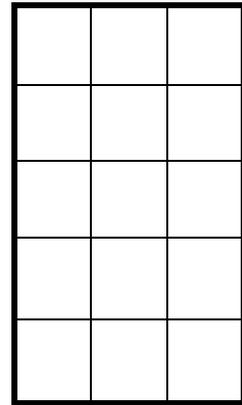
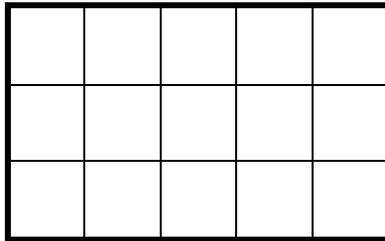
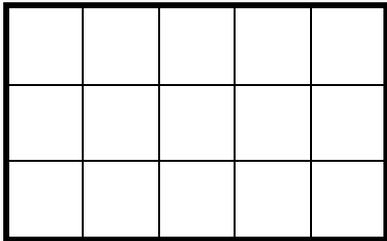
Le rectangle à recouvrir



Le rectangle à recouvrir

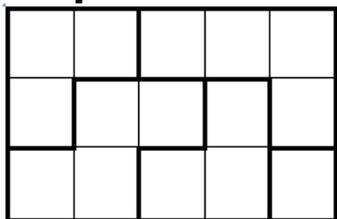


Pour les rectangles trouvés



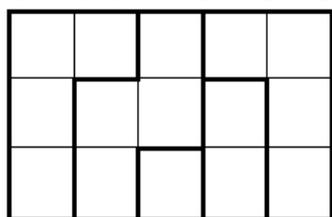
## Trois rectangles

### Un premier rectangle



Nombre de pièces utilisées	1	1	2	0	1

### Un deuxième rectangle



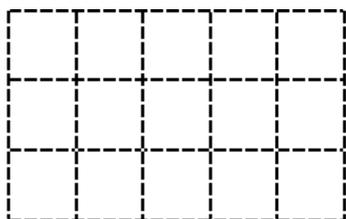
Complète le tableau.

Nombre de pièces utilisées					

### Un troisième rectangle

Retrouve le recouvrement du rectangle.

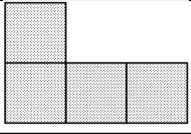
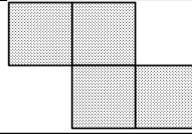
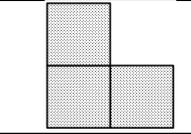
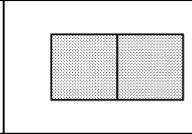
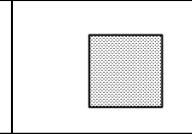
Nombre de pièces utilisées	2	1	1	0	0

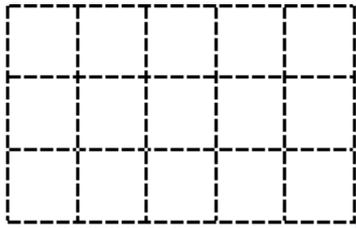


## D'autres rectangles

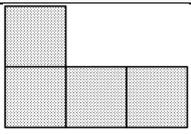
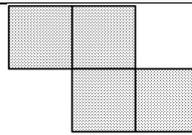
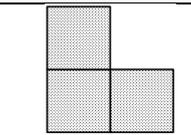
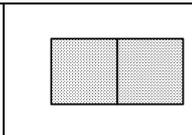
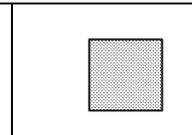
Colorie les recouvrements et complète les tableaux.

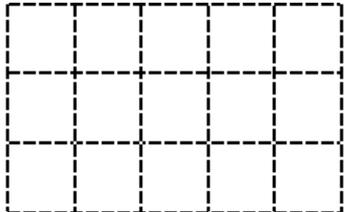
### Un quatrième rectangle

					
Nombre de pièces utilisées	2	0	1	1	2

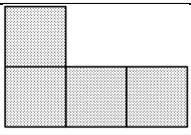
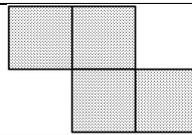
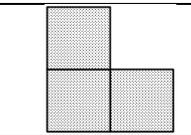
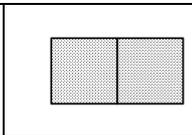
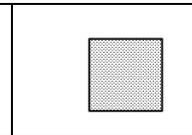


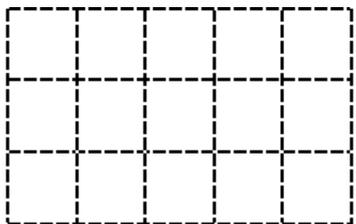
### Un cinquième rectangle

					
Nombre de pièces utilisées	2	0	2	0	1



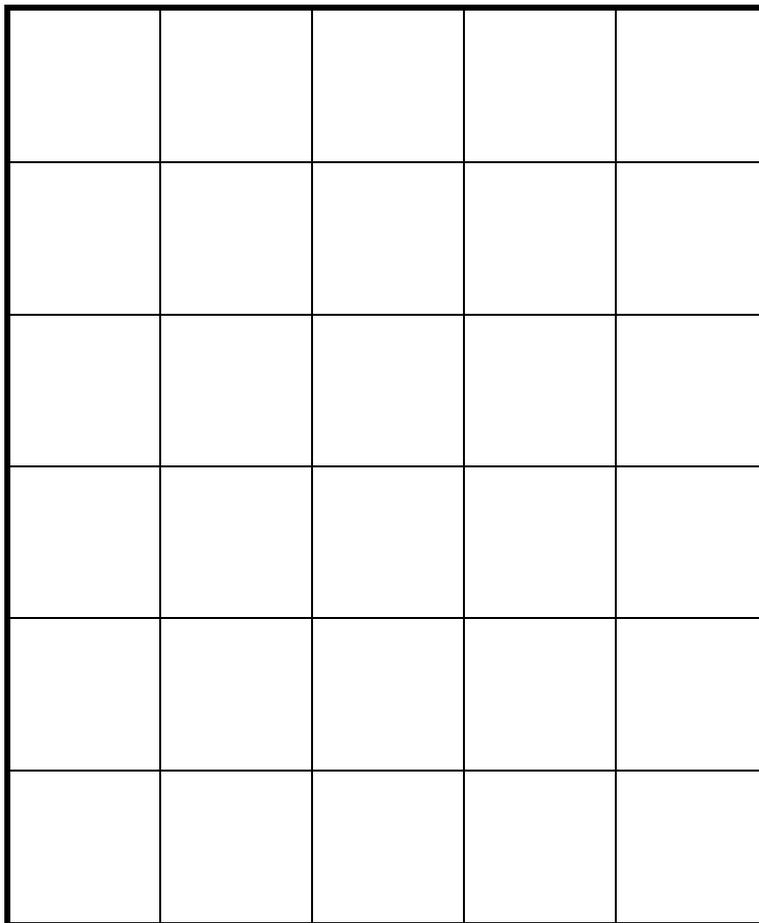
### Un sixième rectangle

					
Nombre de pièces utilisées	1	1	2	0	1



## Des rectangles formés de 15 carreaux

Le rectangle à recouvrir

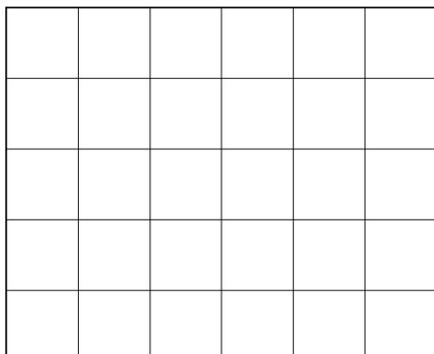


*Document élève*

## Des rectangles formés de 15 carreaux (Trois défis)

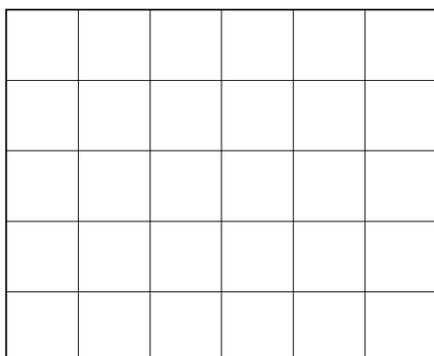
### Premier défi

Recouvre le rectangle avec les 10 pièces du jeu.



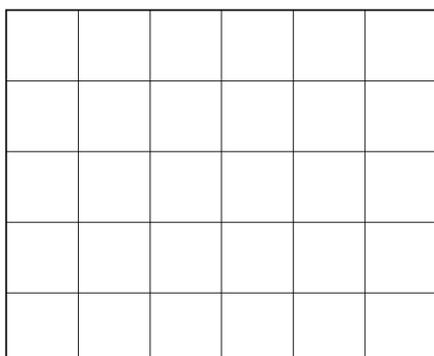
### Deuxième défi

Recouvre le rectangle avec les 10 pièces de telle sorte que deux pièces d'une même couleur ne se touchent éventuellement que par des sommets.

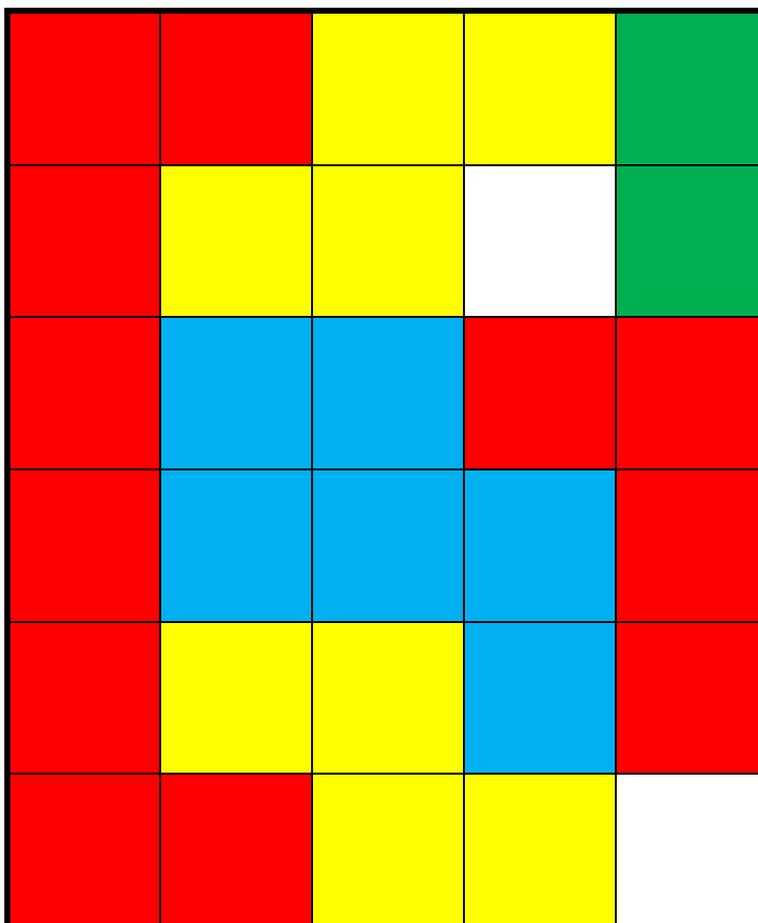


### Troisième défi

Recouvre le rectangle avec les 10 pièces de telle sorte que deux pièces d'une même couleur ne se touchent jamais.

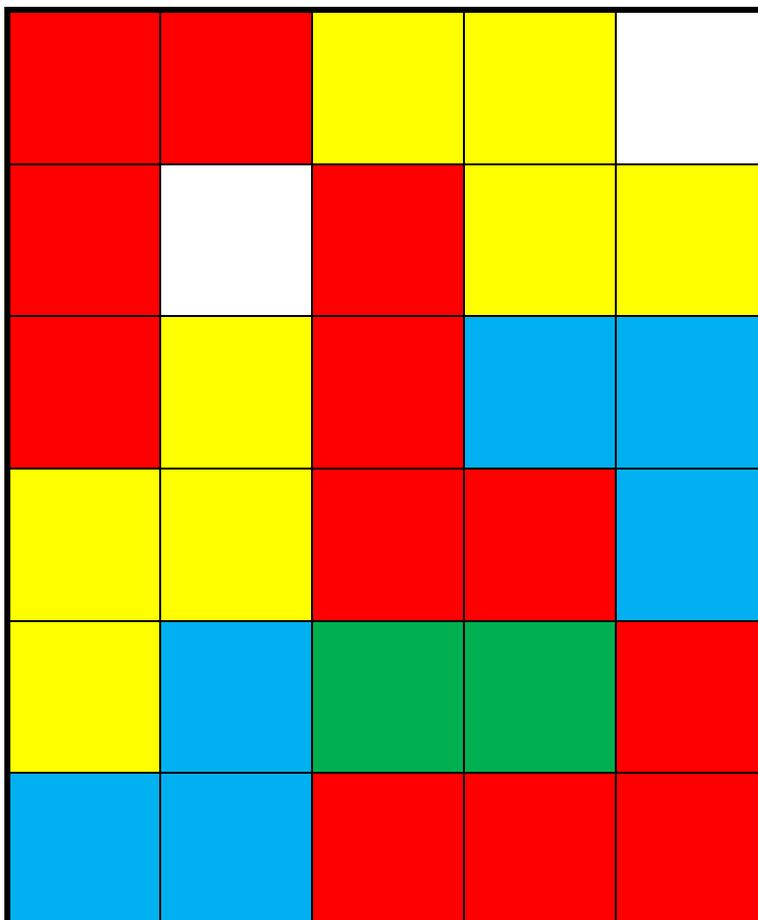


## Une solution au défi 1



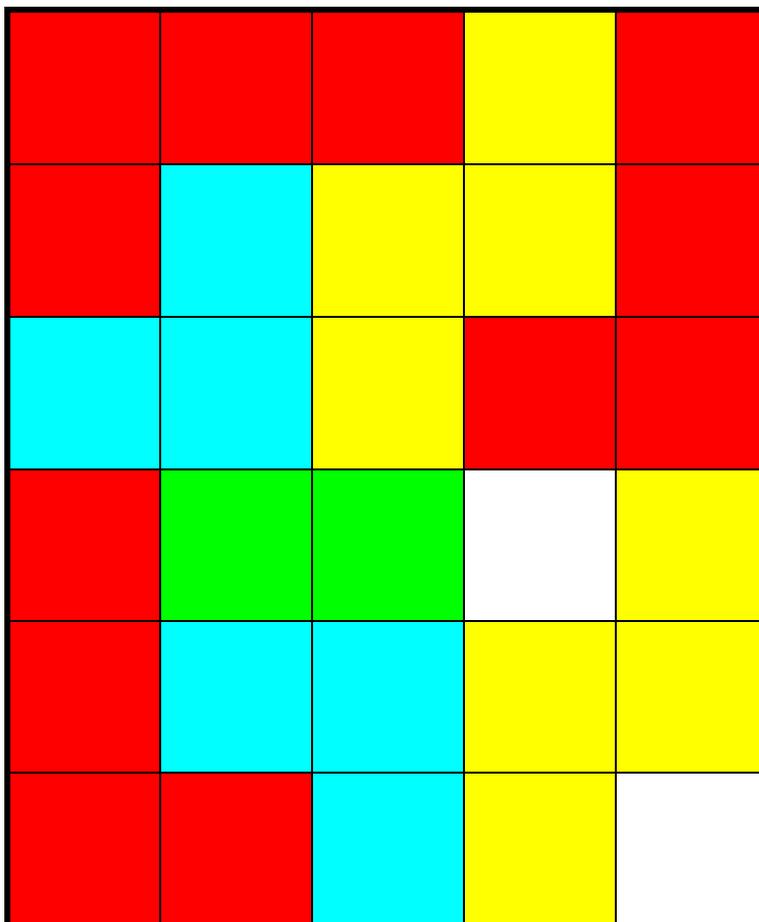
*Document pouvant être projeté*

## Une solution au défi 2



*Document pouvant être projeté*

## Une solution au défi 3



*Document pouvant être projeté*