

Maths en forme(s) - Géométrie

Document enseignant

Cycle 2 – Problème du jour n°4

Objectifs :

Chercher et s'organiser pour résoudre un problème

Manipuler pour chercher, pour valider

Verbaliser les procédures

Représenter

Distinguer des figures, de manière perceptive, parmi d'autres figures planes

Matériel :

Pour résoudre ce défi, nous proposons d'anticiper la réponse à chaque fois et pour la vérifier de s'appuyer les différentes annexes.

La verbalisation de la stratégie permettra à chacun d'exprimer son niveau de compréhension de la situation et ses stratégies de résolution.

Consignes :

CP/CE1 :

Combien y a-t-il de triangles sur cette rambarde ?



CE1/CE2

Combien de rectangles peux-tu compter sur cette fenêtre de classe ?



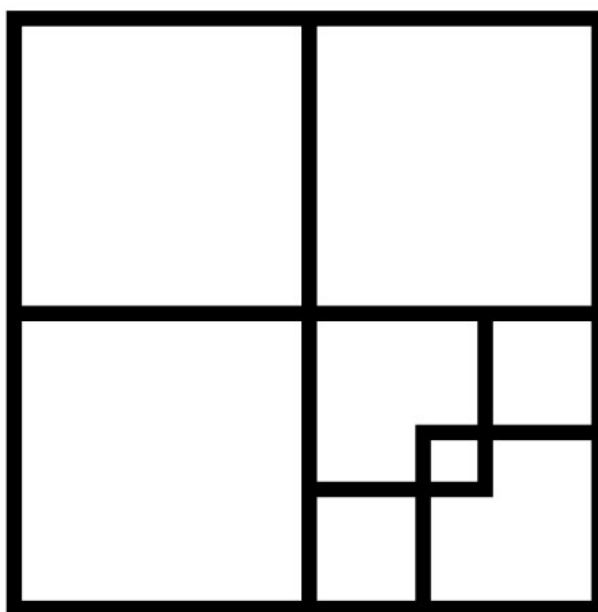
Organisation et déroulement :

Les élèves peuvent chercher seul ou en binôme.

Activités préparatoires CP (CE1 si nécessaire) :



Combien de carrés peut-on former ?

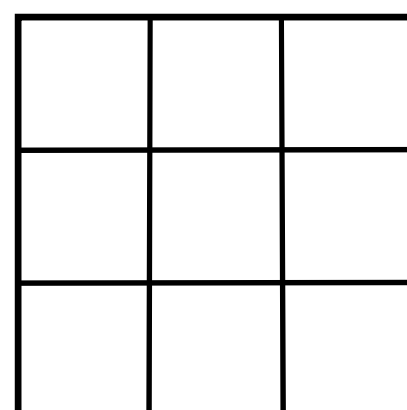
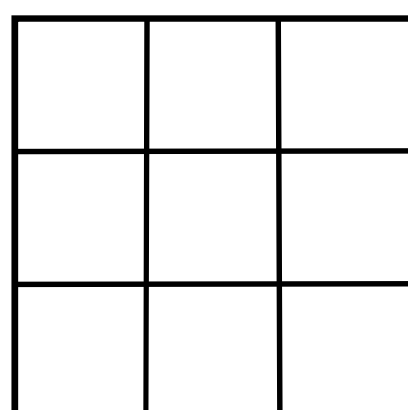
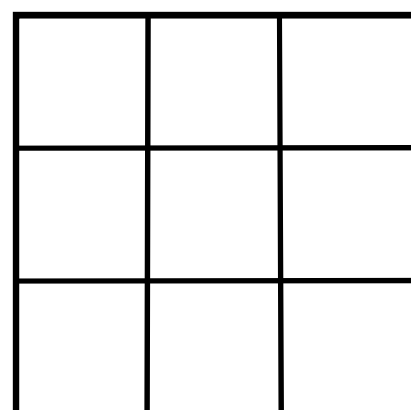
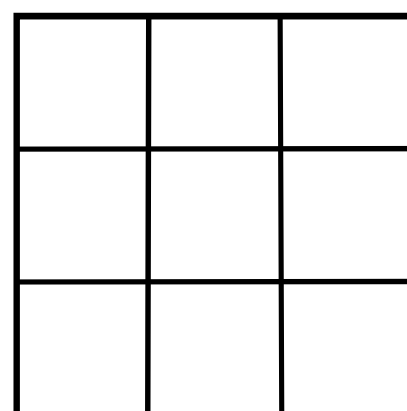
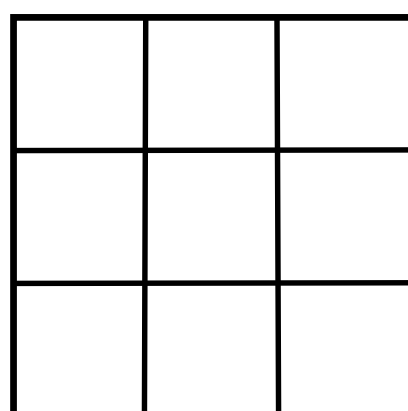
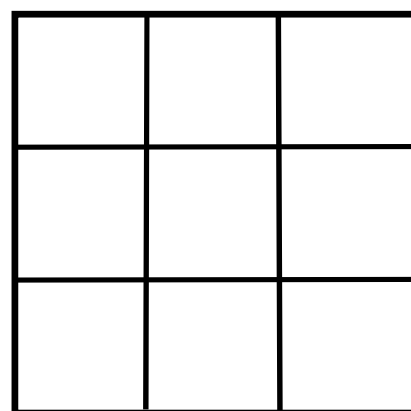
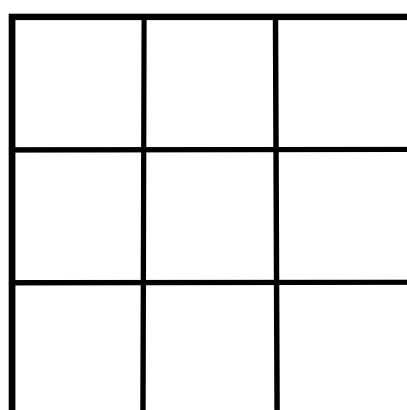
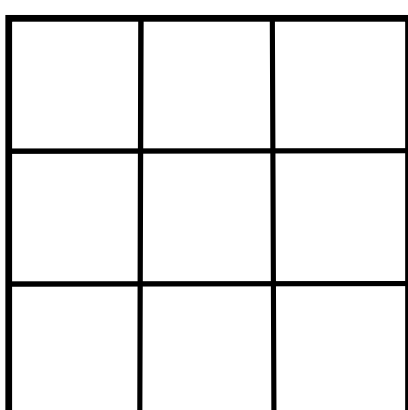
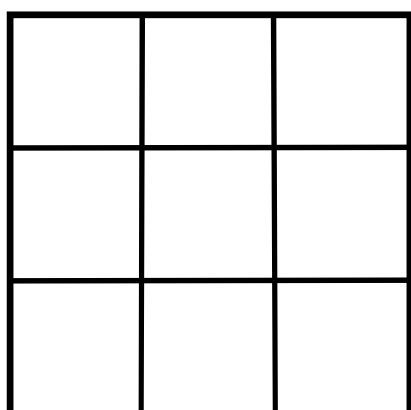
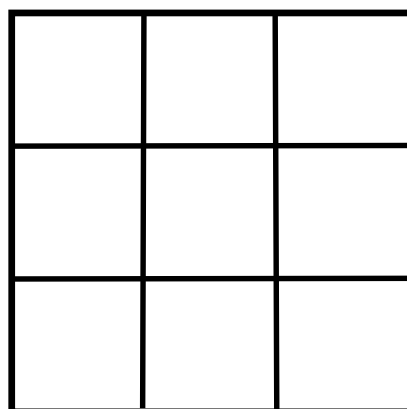
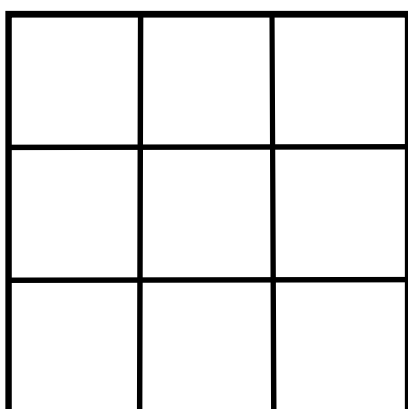
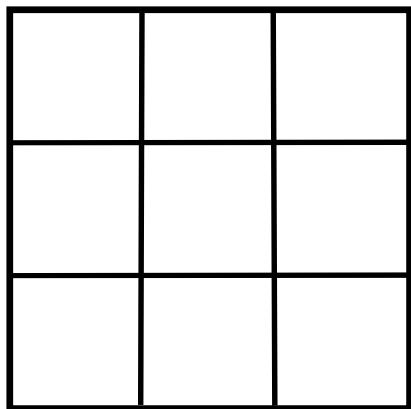


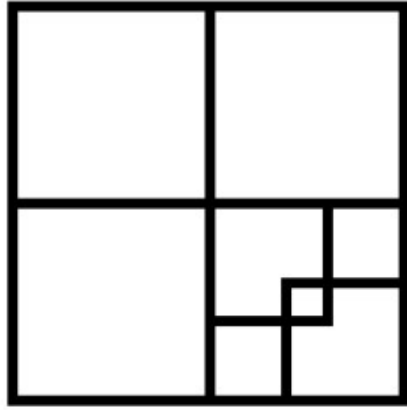
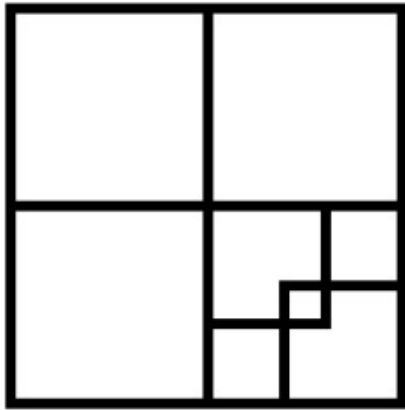
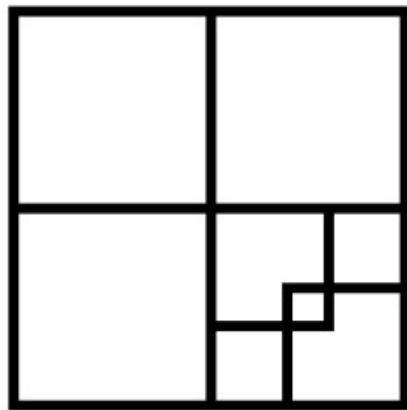
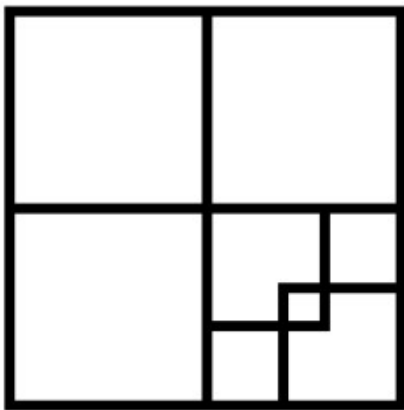
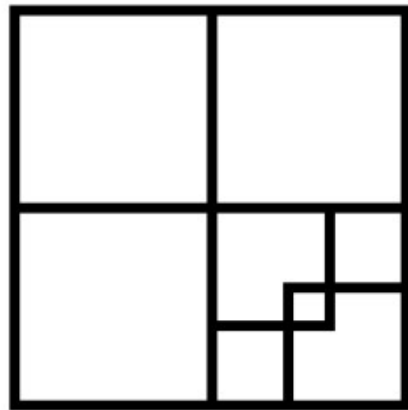
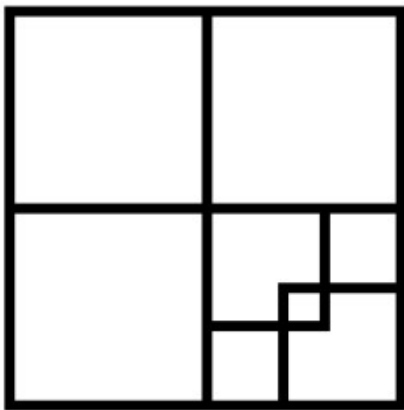
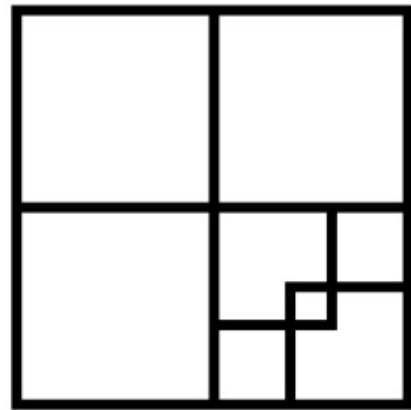
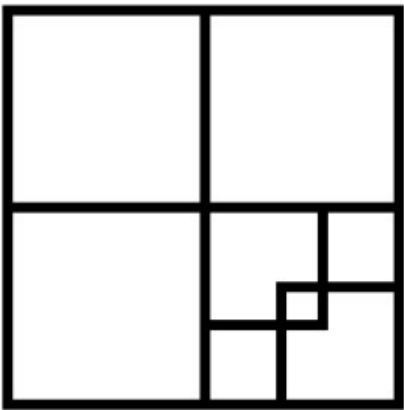
Combien de carrés voyez-vous ?

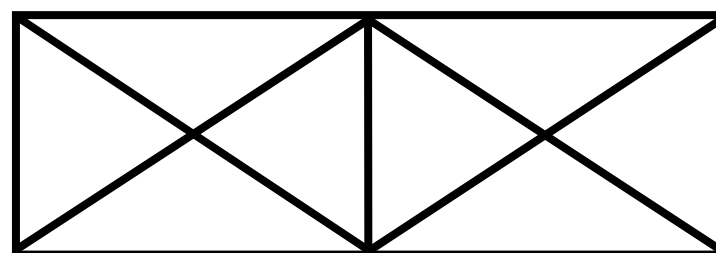
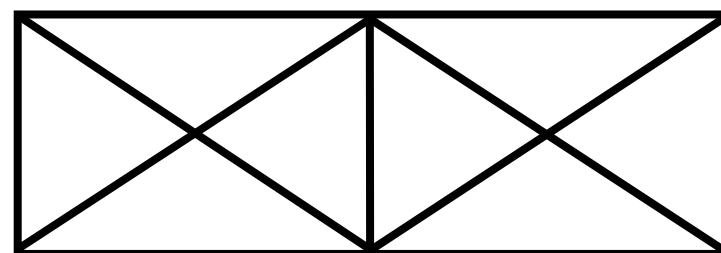
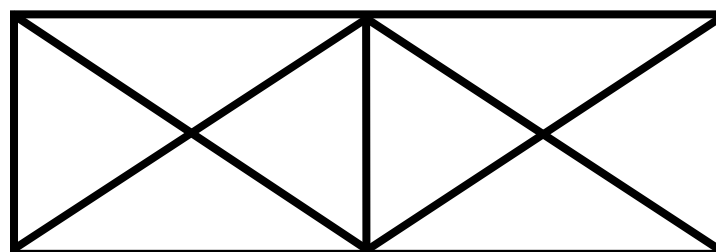
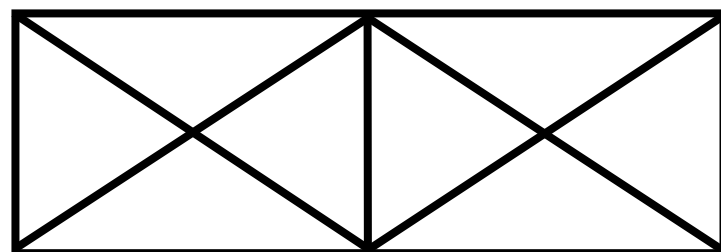
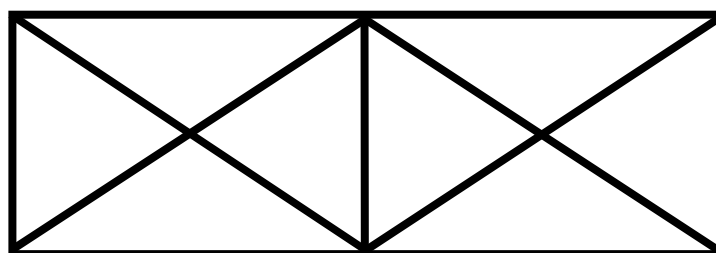
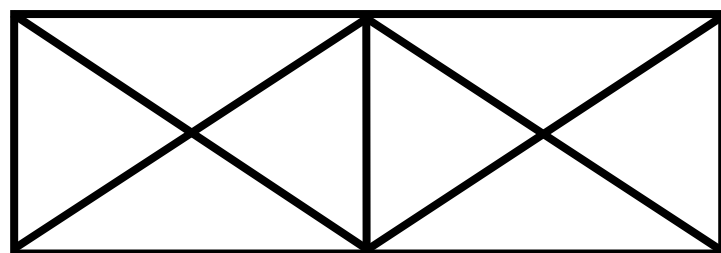
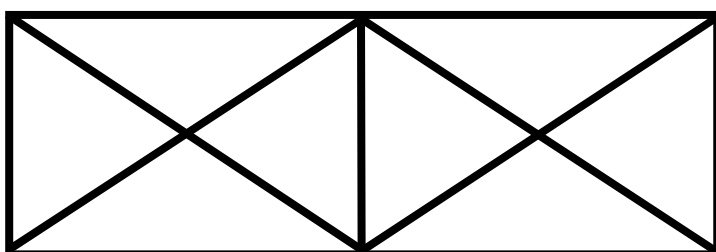
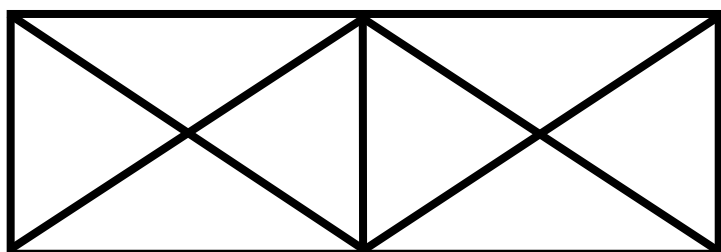
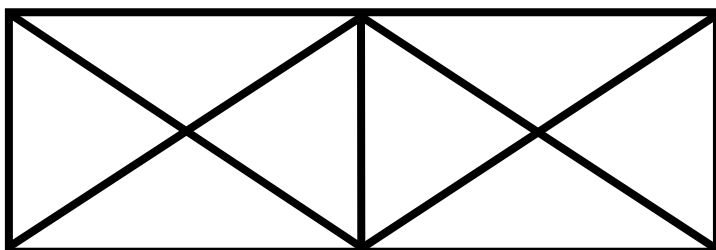
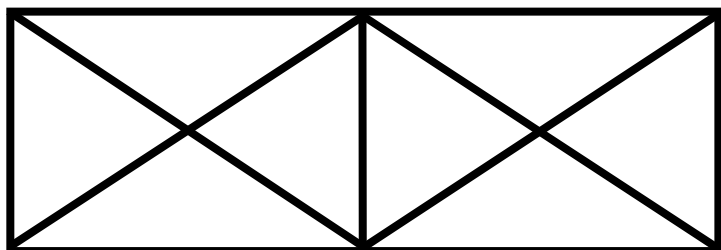
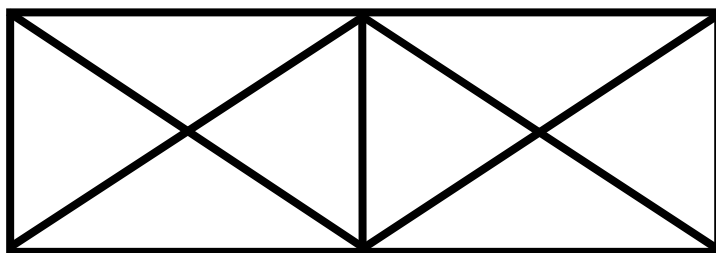
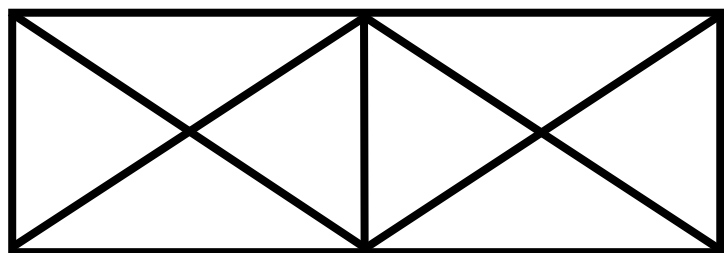
Solutions :

- Activité préparatoire n°1 : 14 carrés
- Activité préparatoire n°2 : 10 carrés
- Défi CP/CE1 : 16 triangles
- Défi CE1/CE2 : 33 rectangles (voir annexe n°5)

Annexe n°1 – fiche d'aide – activité préparatoire CP

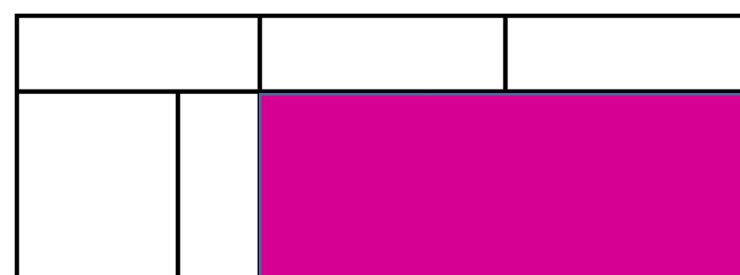
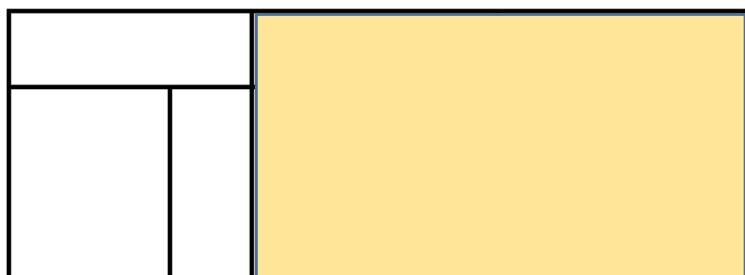
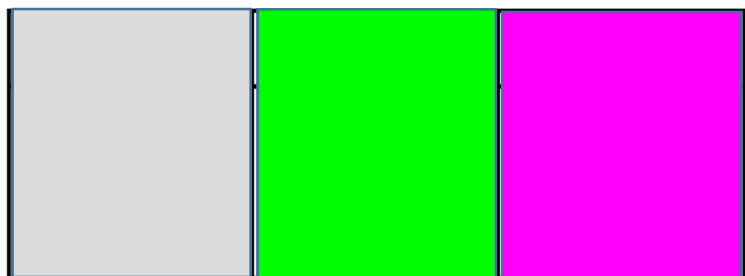
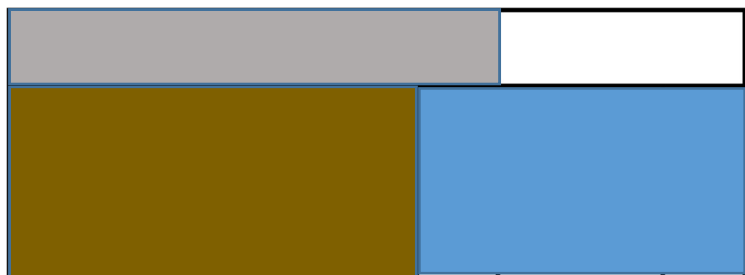
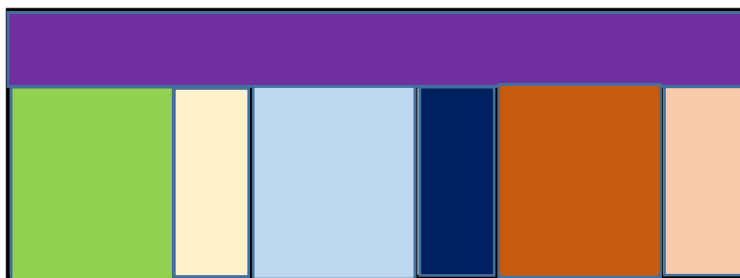
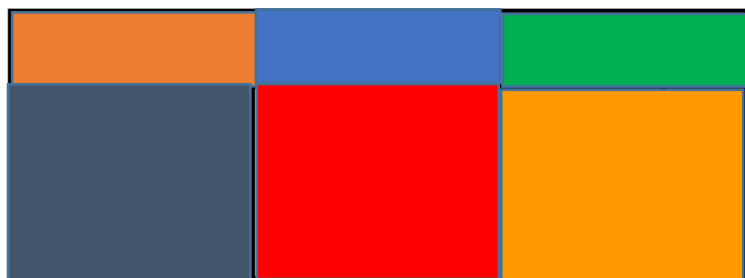


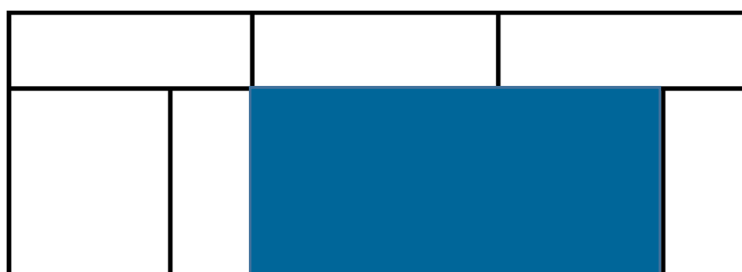
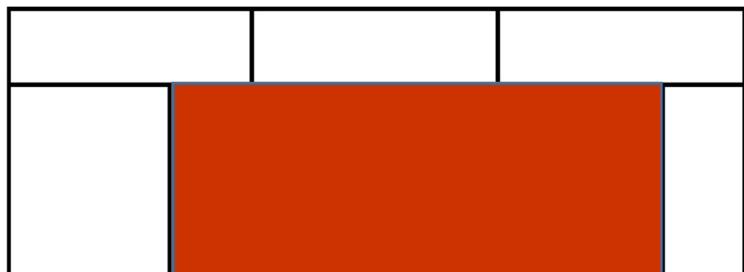
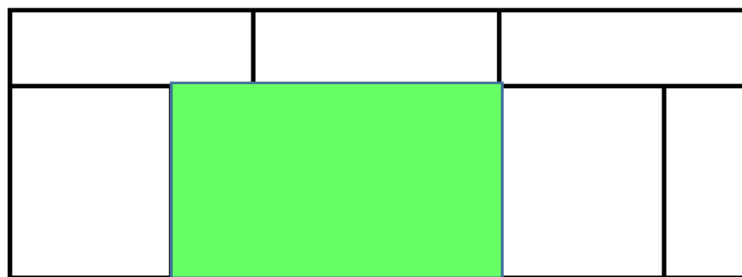
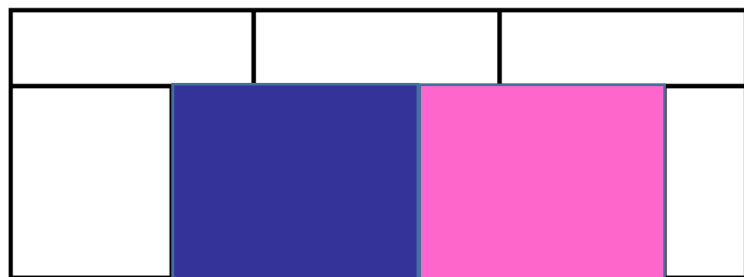




Annexe 4 – fiche d'aide – défi CE1/CE2

Annexe 5 – solution défi CE1/CE2





soit 33 rectangles