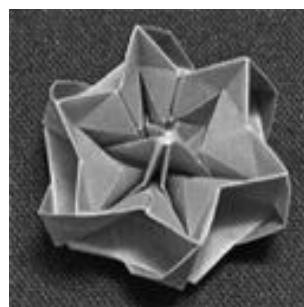
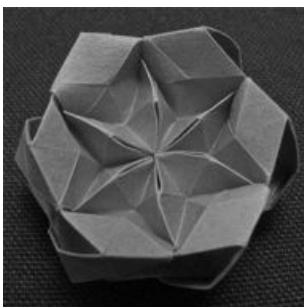
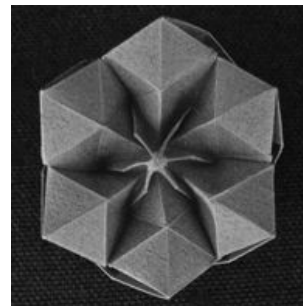
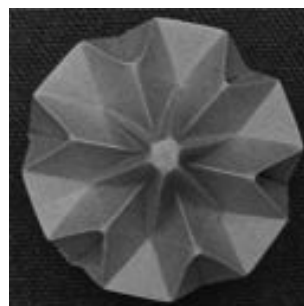
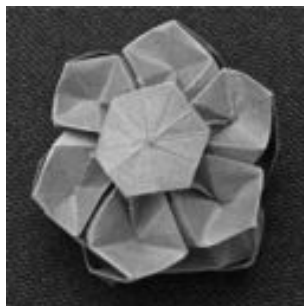
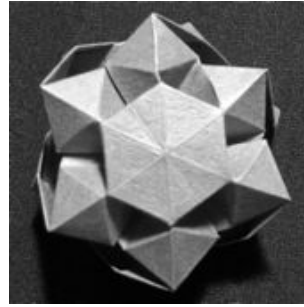
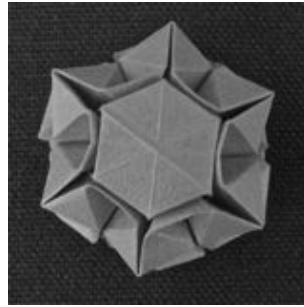
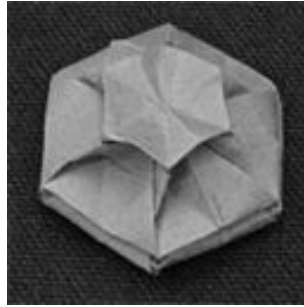
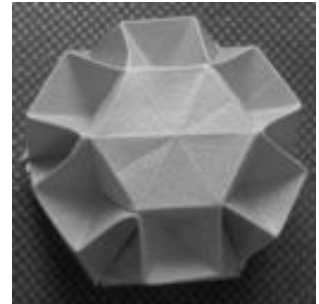
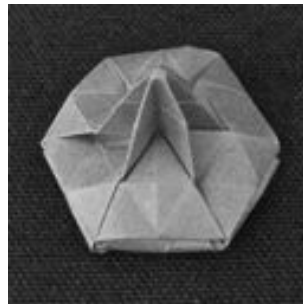
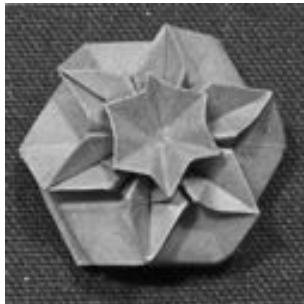
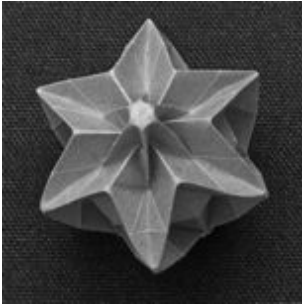


Atomes de tesse 3D

Lydia Diard



Introduction

Les tessellations sont normalement planes, j'ai eu envie de sortir du plan et finalement faire ce qu'on pourrait appeler des tessellations 3D. Les motifs de base de ces tessellations, appelés par la suite atome m'ont semblé dignes d'être utilisés pour eux-mêmes.

Dans ce livret j'ai rassemblé seize motifs que je présente fermés, [bien entendu beaucoup voire tous peuvent être multipliés pour en faire des "tessellations" en 3D]. Ils peuvent servir à faire des fleurs en utilisant un carré de départ de 15 cm ou plus. Mais ils peuvent aussi être utilisés comme dessus de boîtes, des bagues, des pendentifs ou des boucles d'oreille.

Technique

Le papier

Vous le savez sans doute, le choix du papier joue un rôle important dans l'origami. Ce choix va être différent selon l'objet que l'on veut réaliser. Nous essaierons de voir quel papier choisir pour faire des bijoux. Le grammage d'un papier, typiquement en gramme par mètre carré est sa masse. Ce sera le premier critère à prendre en compte.

Un grammage trop fin 20 à 50 grammes par mètre carré n'est pas adapté, il sera soit trop mou, soit trop fragile pour supporter le pliage ou le vernissage. Un grammage trop épais au dessus de 90 grammes par mètre carré sera difficile à plier.

Donc restons dans les grammages les plus courants. Mais dans ceux-ci écartons aussi les papiers qui ont un aspect ''buvard'' comme certains papiers japonais. Choisissez un papier avec le bon grammage et ''sec''.

On trouve une multitude de papier dans le commerce, unis, à motifs, les papiers cadeaux, même les papiers dont les commerçants se servent pour emballer leurs marchandises peuvent servir du moment qu'ils aient le bon grammage.

Le choix est parfois très difficile à faire. Il faut accepter de faire des erreurs et ce n'est qu'au prix d'expériences, de tâtonnements et d'essais bons ou mauvais que vous trouverez votre "bon" papier.

Exemple de papier mou : le papier de soie, le papier mûrier, le washi et d'autres du même style.

Certains papier métallisé peuvent convenir d'autres pas, il n'y a que l'expérience qui pourra vous guider. Le papier Kraft, le papier Tant, beaucoup de papier cadeaux, le papier d'imprimerie peuvent convenir.

Les bijoux sont réalisés à partir d'un carré de départ de 6 cm à 9 cm de côté, bien entendu plus petit ou plus grand peut convenir aussi, ce n'est après qu'une question de goût et de pratique. Il est utile, voire indispensable, de commencer en faisant des essais sur des tailles plus standard, un carré de départ de 15 cm ou 20 cm de côté par exemple, puis de réduire progressivement la taille du carré de départ.

Le vernis

Le vernissage est la dernière étape qui permet de prolonger un peu la vie de vos bijoux en origami, sans oublier que le matériau de base reste être du papier et que celui-ci n'aime pas l'eau.

Il est préférable d'avoir quelques origamis d'avance avant de faire cette dernière étape.

- Passer en premier une couche de colle à bois, une colle à bois pour milieu humide de la marque Sader par exemple car elle n'est ni trop liquide, ni trop épaisse, n'a pas d'odeur et se nettoie à l'eau à ma préférence. Elle va protéger le papier, l'imperméabiliser en quelque sorte.

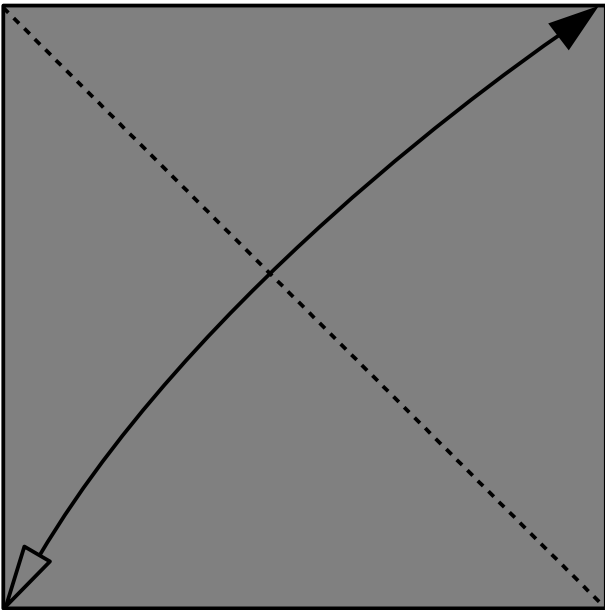
- Étaler cette colle avec un pinceau fin à poils courts. Il ne faut pas que le pinceau se charge trop de colle. Bien étaler sur les faces visibles et dans toutes les parties accessibles au pinceau.

Garder une face à faire ultérieurement pour poser votre origami de façon à ce qu'il ne colle pas à votre support. Puis faire l'autre face lorsque la première est sèche.

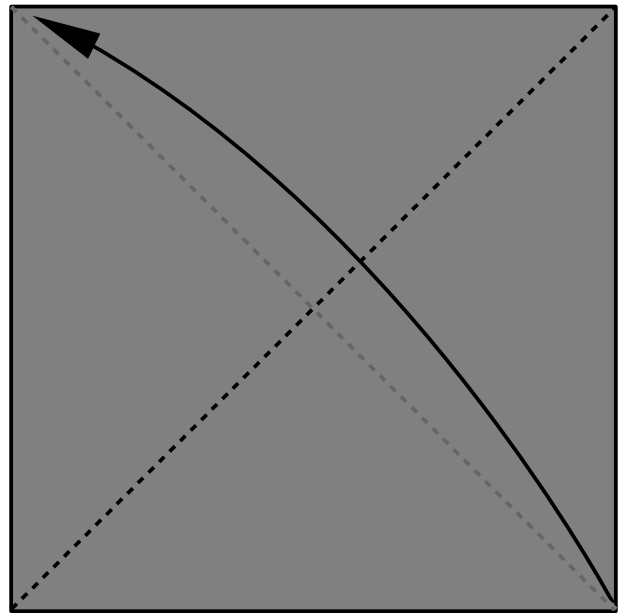
- Attendre au moins le lendemain pour passer votre vernis que l'on étale de la même manière que la colle avec le même style de pinceau. J'utilise le vernis glassificateur de Cléopâtre ou un vernis acrylique, ce dernier donne de bons résultats.

Méthode pour faire un hexagone. *Method to make a hexagon.*

1



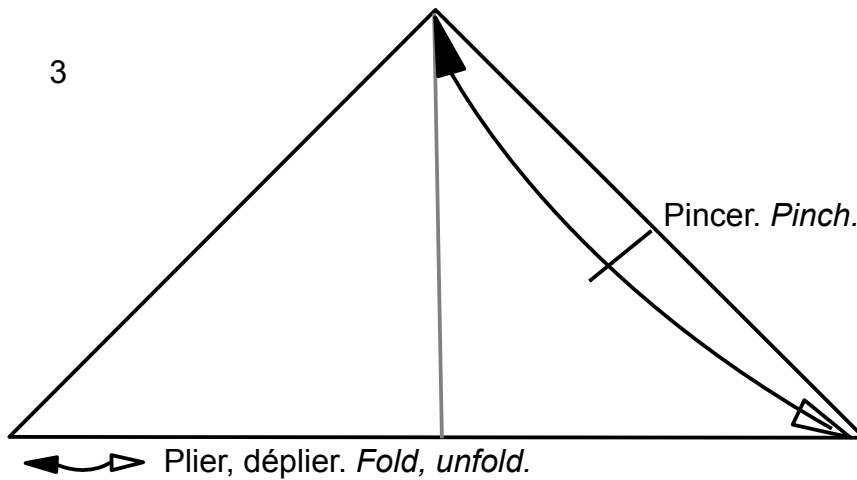
2



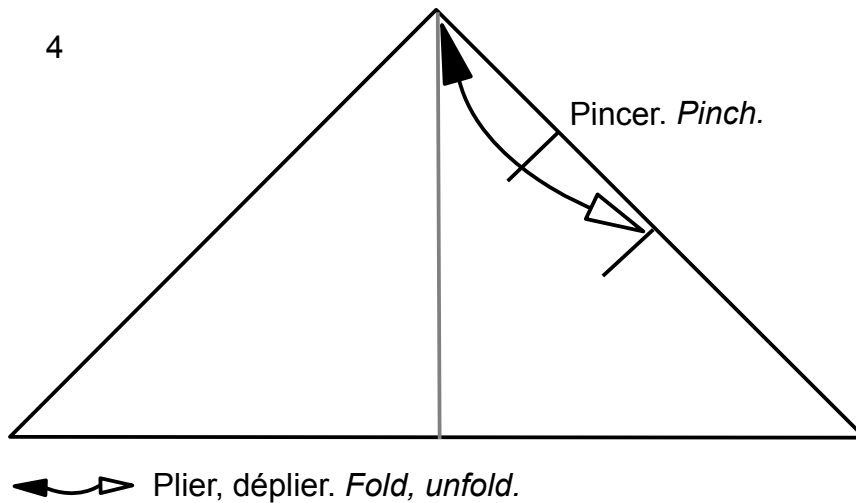
● Couleur dessus. *Color top.*
 - - - - - Pli vallée. *Valley fold.*
 ← → Plier, déplier. *Fold, unfold.*

- - - - - Pli vallée. *Valley fold.*
 ← Plier. *Fold.*
 ↻ Rotation 45°. *Rotation 45°.*

3



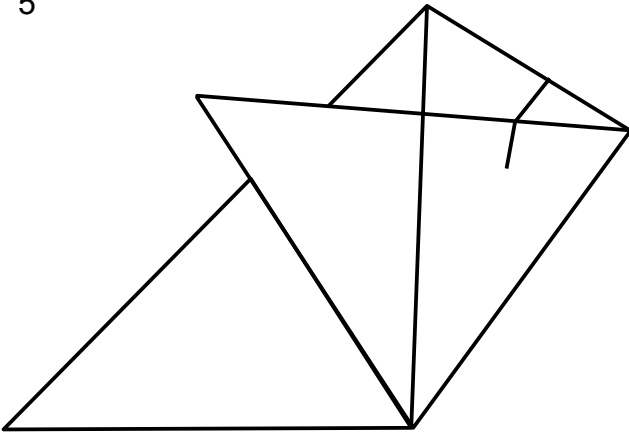
4



← → Plier, déplier. *Fold, unfold.*

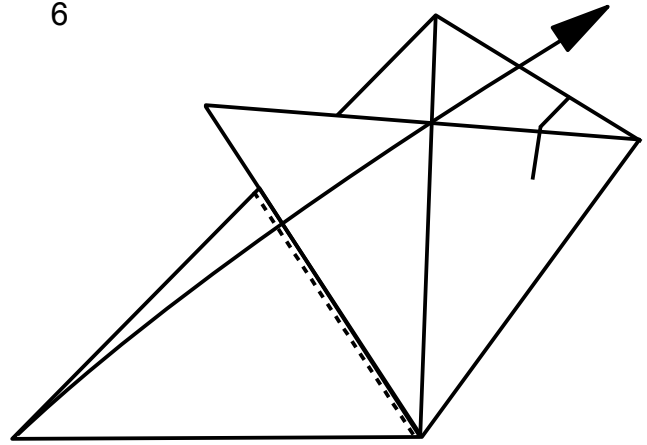
← → Plier, déplier. *Fold, unfold.*

5



Faire coïncider les pincements.
Align the pinch.

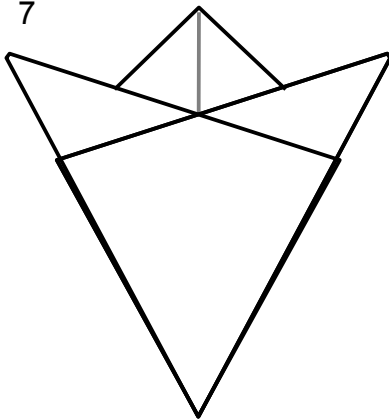
6



----- Pli vallée. Valley fold.

→ Plier. Fold.

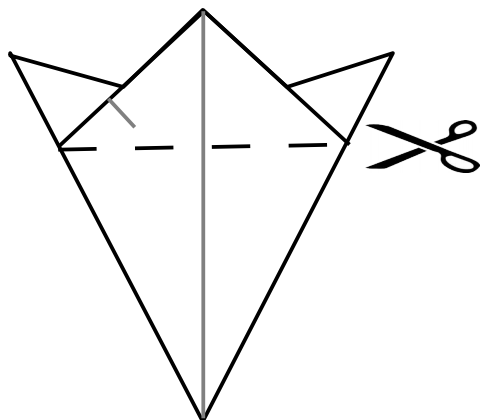
7



Résultat. Result.

↺ Retourner. Return.

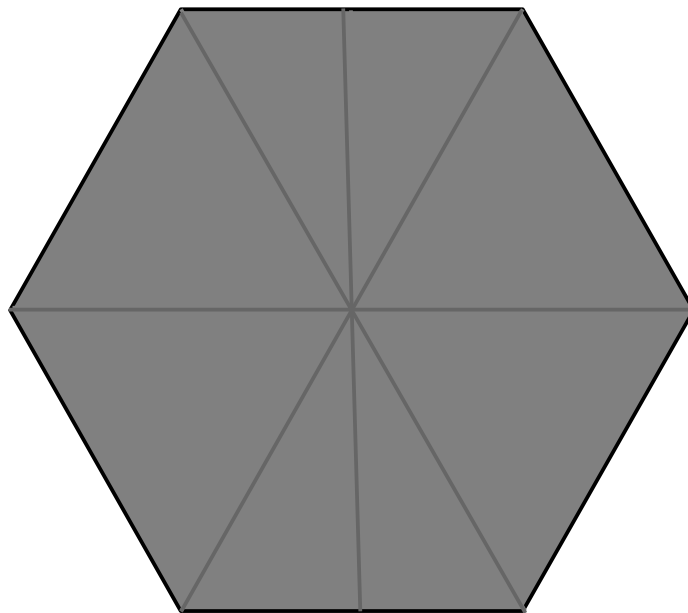
8



✂ Couper au pointillé. Cut stipple.

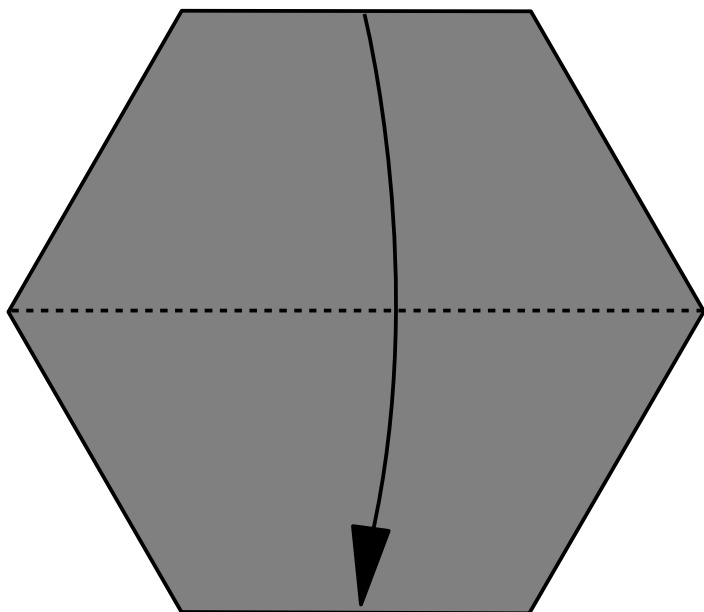
↳ Déplier l'hexagone. Unfold the hexagon.

9

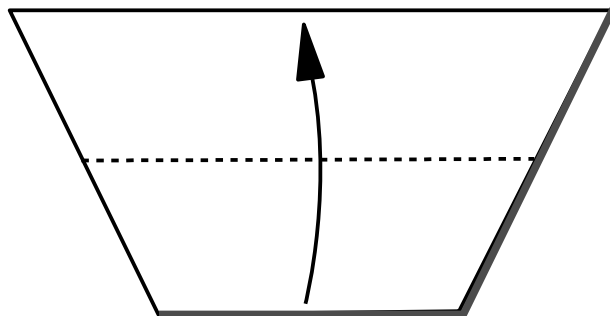


Résultat. Result.

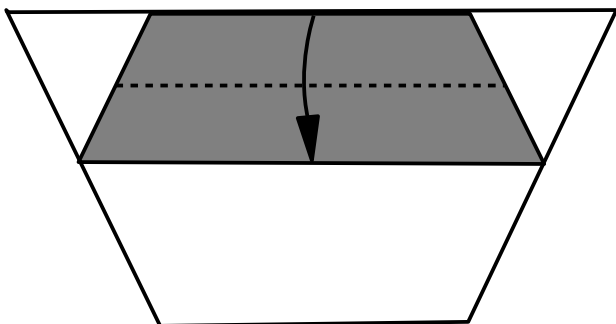
Pliage de l'hexagone. *Fold of the hexagon.*



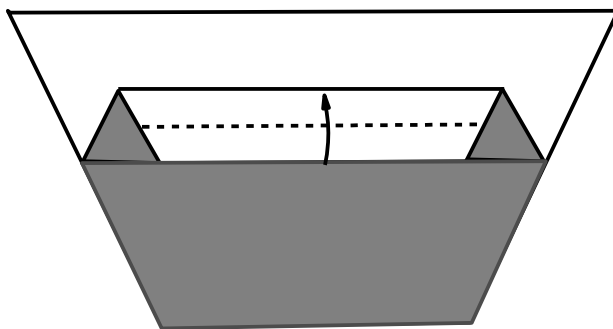
→ Plier. *Fold.*



→ Plier. *Fold.*

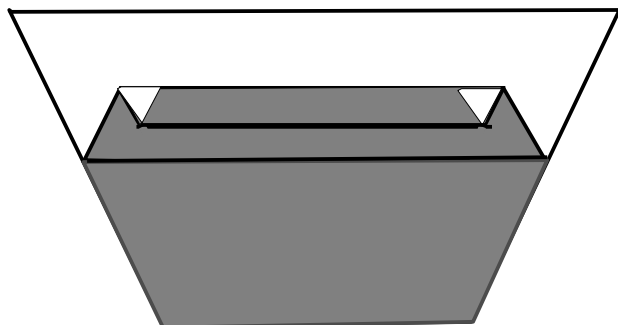


→ Plier. *Fold.*



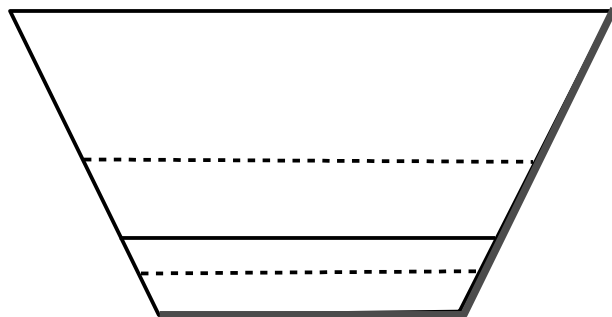
Résultat. *Result.*

→ Plier. *Fold.*

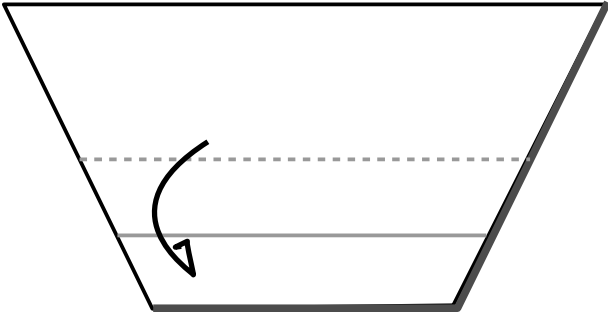


Résultat. *Result.*

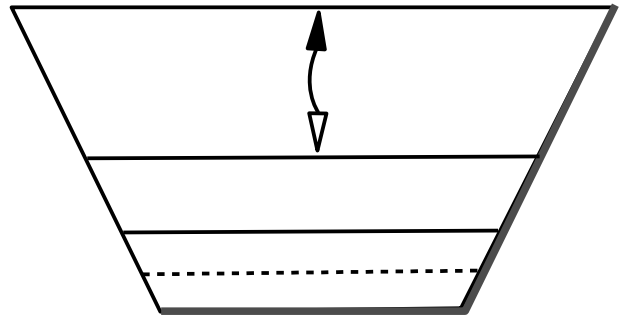
Déplier. *Unfold.*



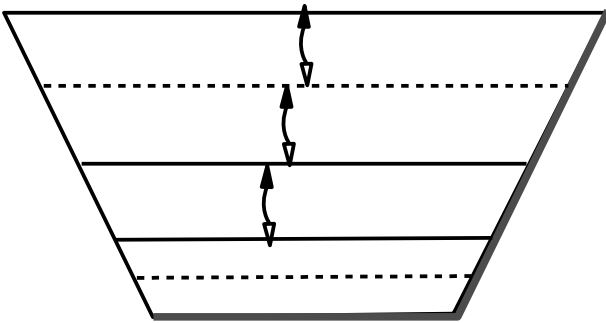
Résultat. *Result.*



Mettre le pli vallée en pli montagne.
Put this valley fold mountain fold.



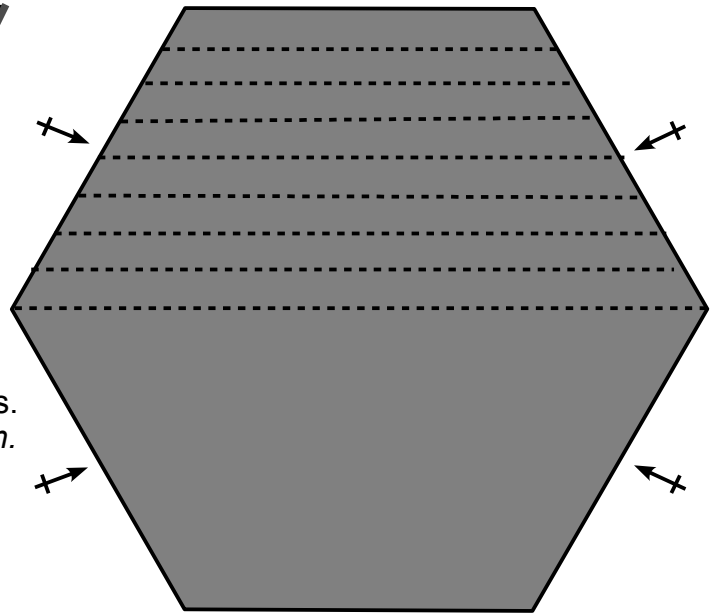
Plier, déplier. *Fold, unfold.*



Plier, déplier. *Fold, unfold.*

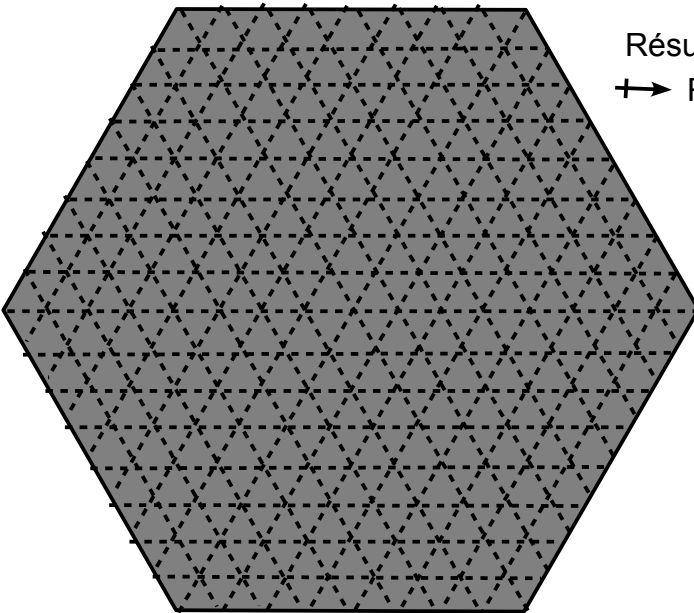
Remettez tous les plis dans le même sens.
Replace all the folds in the same direction.

Tout déplier. *Unfold all.*



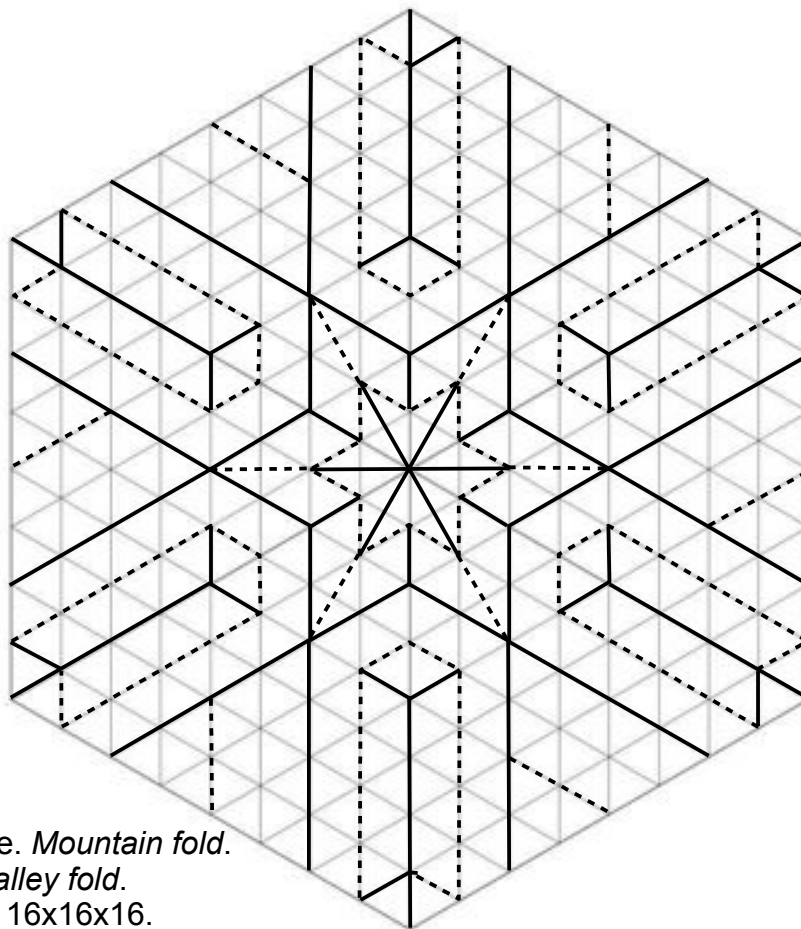
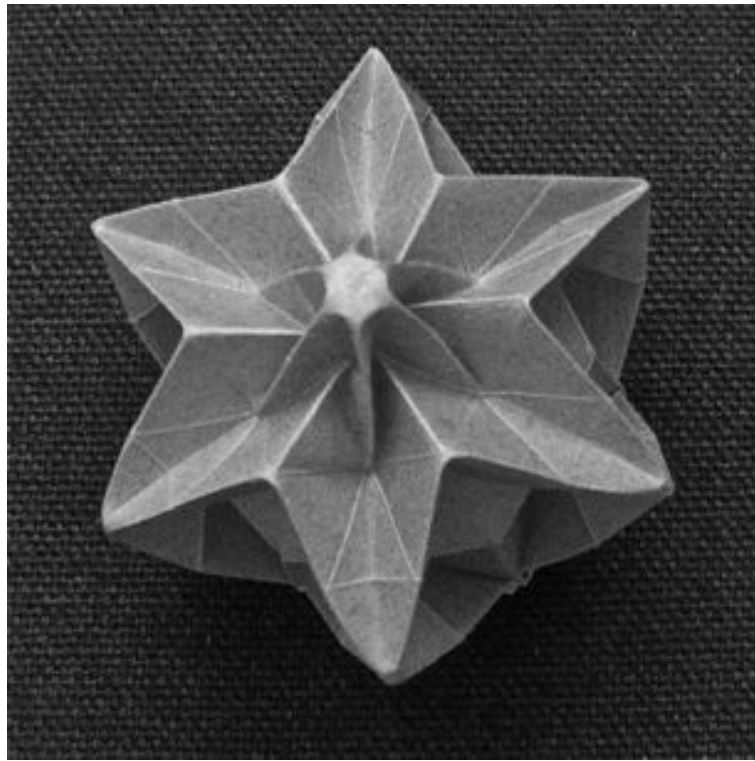
Résultat. *Result.*

→ Répéter. *Repeat.*



Résultat. *Result.*

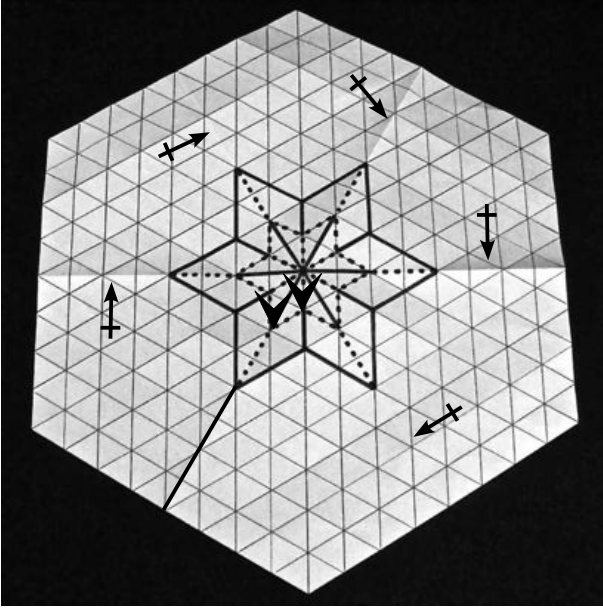
Bleuñ



— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid : 16x16x16.*

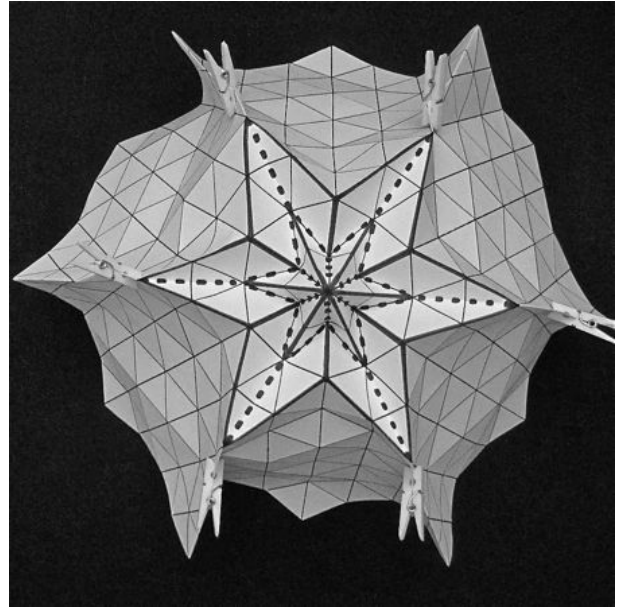
Canevas de plis. *Crease pattern.*

1

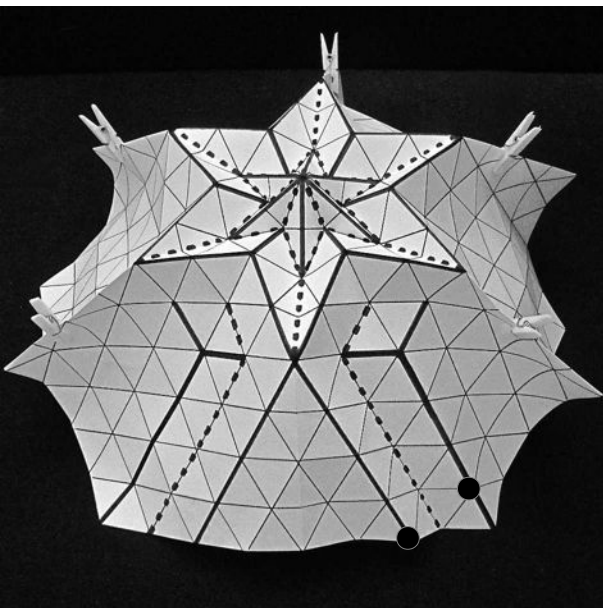


- Couleur dessus. *Color top.*
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*
- ▼ Enfacement. *Sink.*
Pincer la médiane en pli montagne.
Pinch the median into mountain fold.
- Le centre se met en 3D. *The center goes 3D.*
- ↔ Répéter. *Repeat.*

2

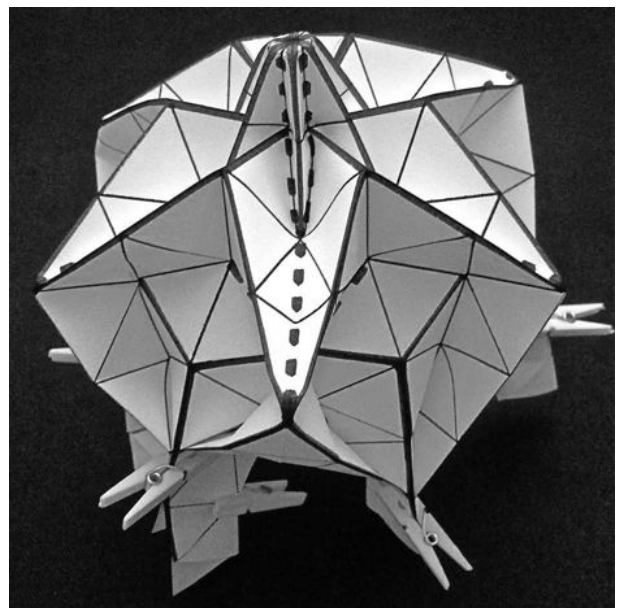
Résultat. *Result.*

3

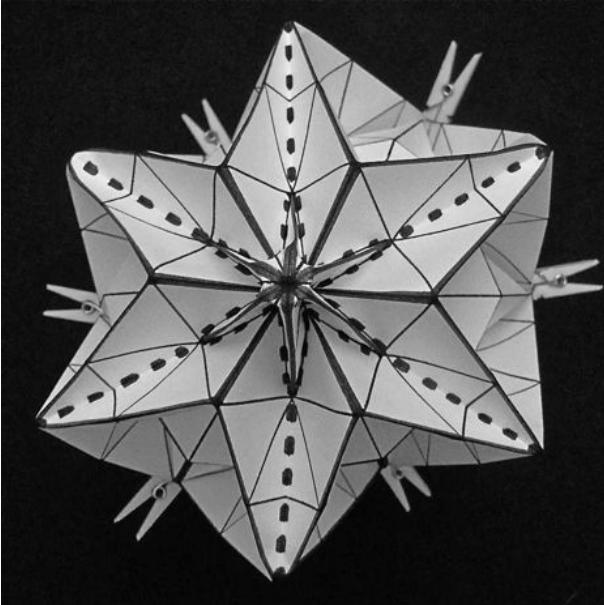


- Rapprocher les points.
Reconcile the points.
Répéter à chaque extrémité de l'étoile.
Repeat at each end of the star.

4

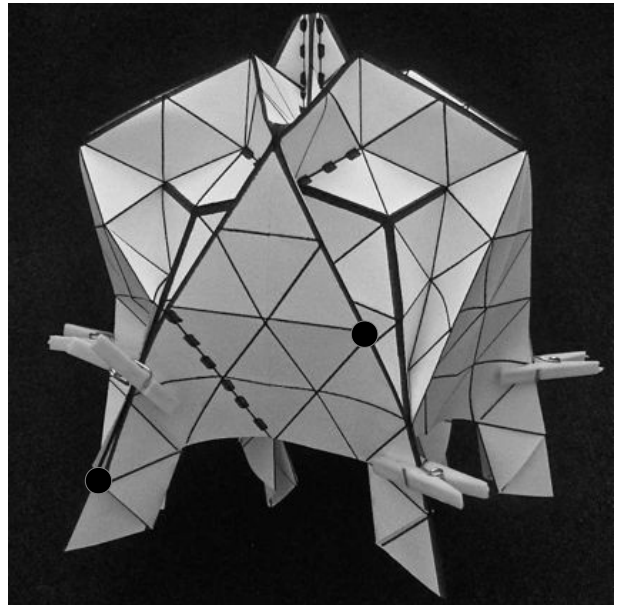
Résultat. *Result.*

5



Autre vue. *Other view.*

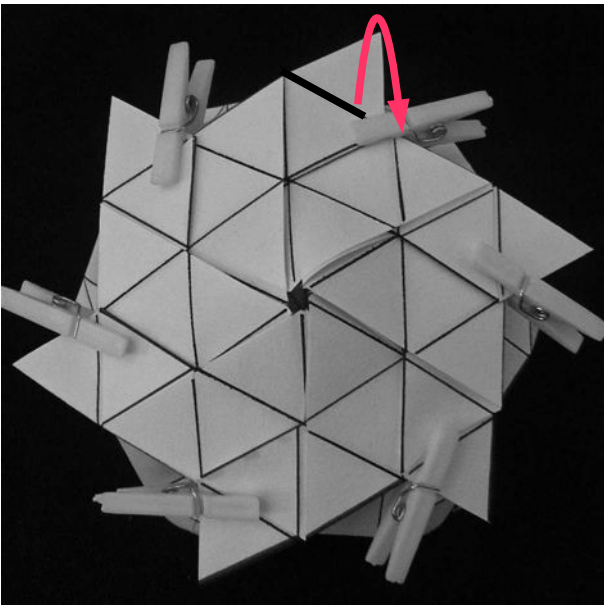
6



----- Pli vallée. *Valley fold.*

- Faire coïncider les points. *Align points.*
Répéter sur les 5 autres demis diagonales.
Repeat on the other 5 demis diagonal.

7



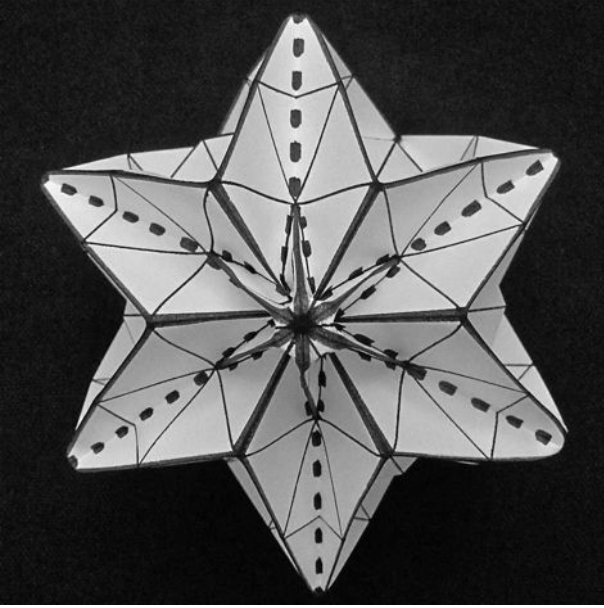
Résultat vue du verso. *Result for the back.*
Plier le triangle en le glissant dans la poche.
Fold the triangle by sliding it into the pocket.

8



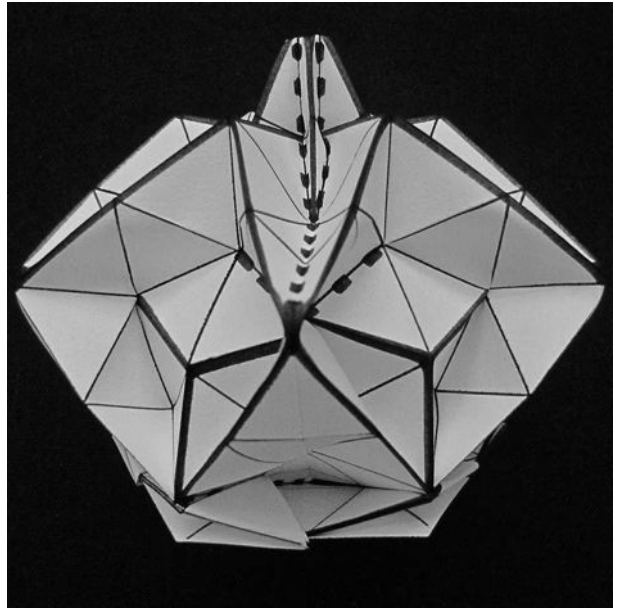
Résultat verso. *Result back view.*

9



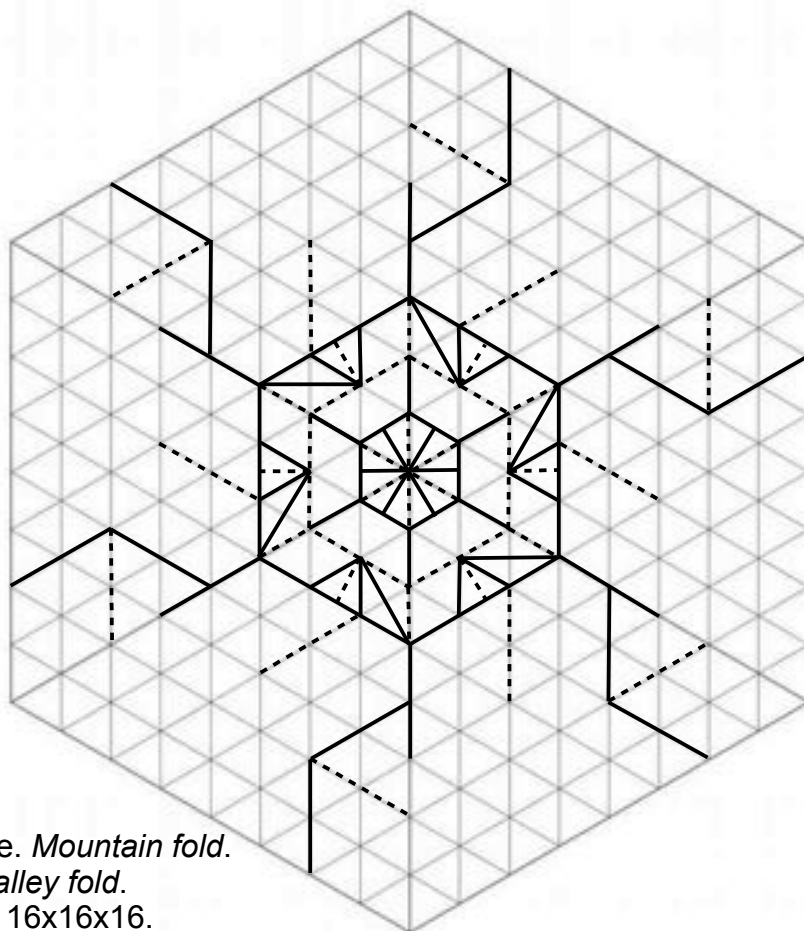
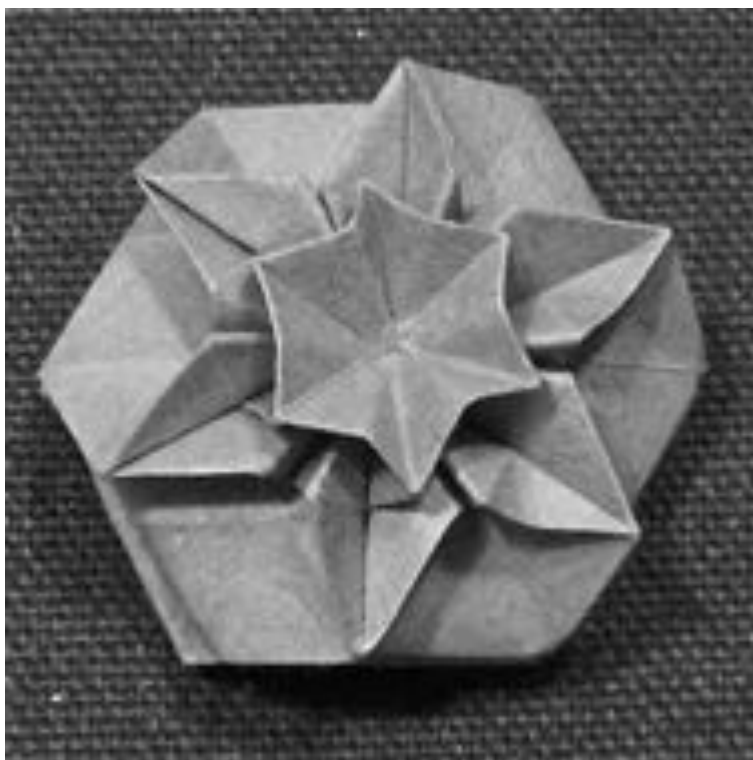
Résultat recto. *Result front view.*

10



Vue de côté. *Side view.*

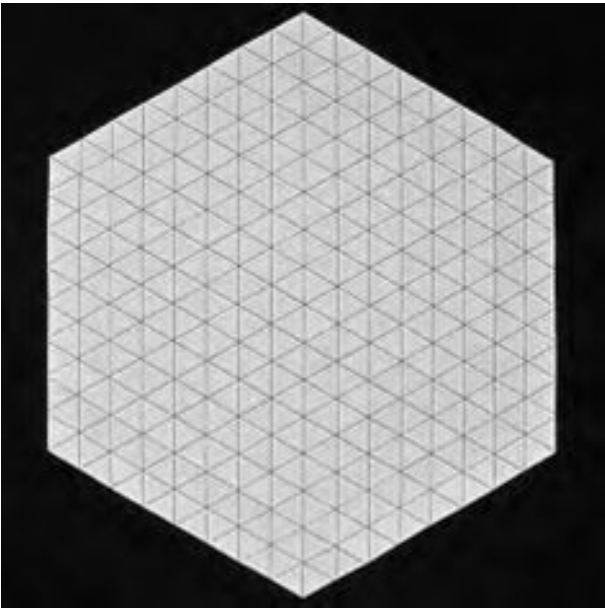
Blodyn



— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid : 16x16x16.*

Canevas de plis. *Crease pattern.*

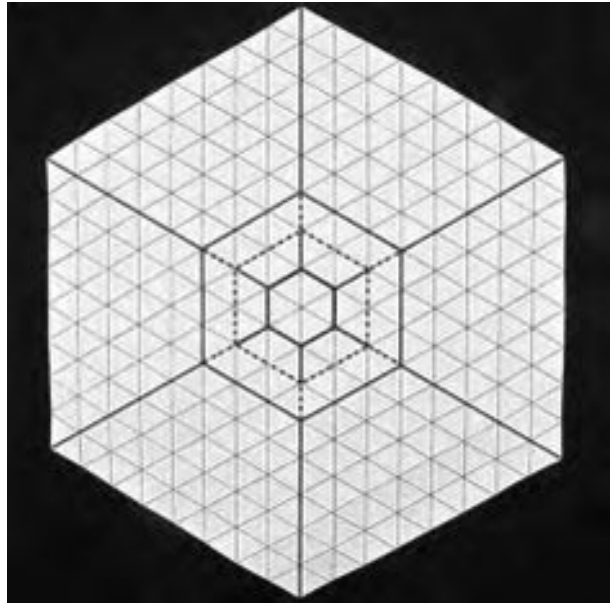
1



Grille. *Grid* : 16x16x16.

 Couleur dessus. *Color top*.

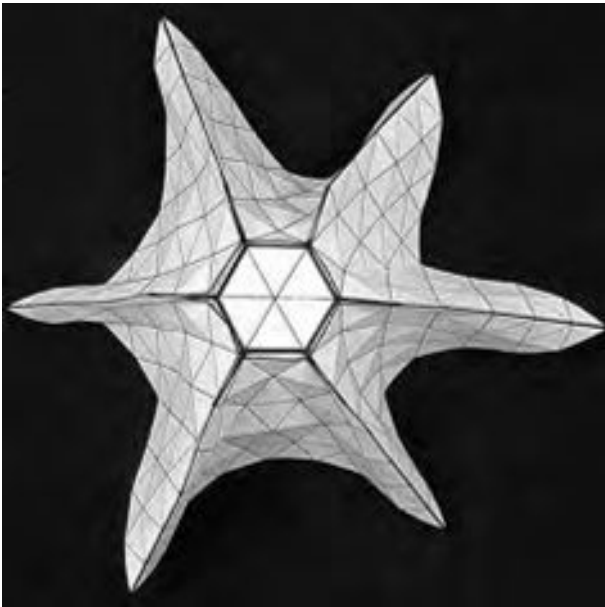
2



— Pli montagne. *Mountain fold*.

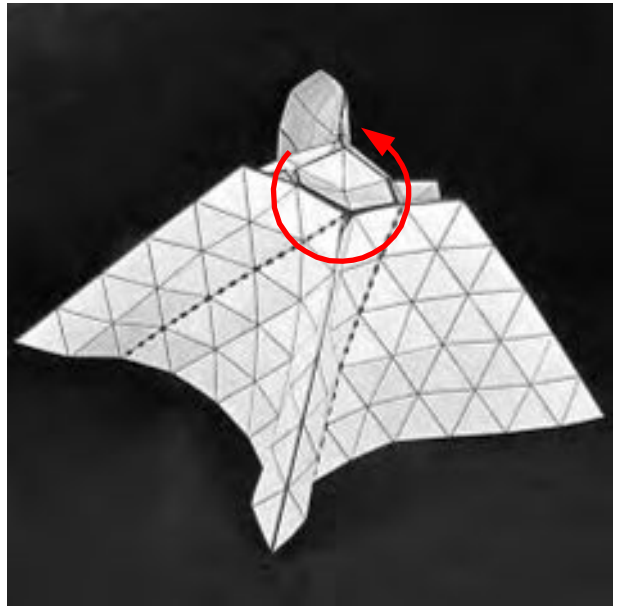
- - - - - Pli vallée. *Valley fold*.


3



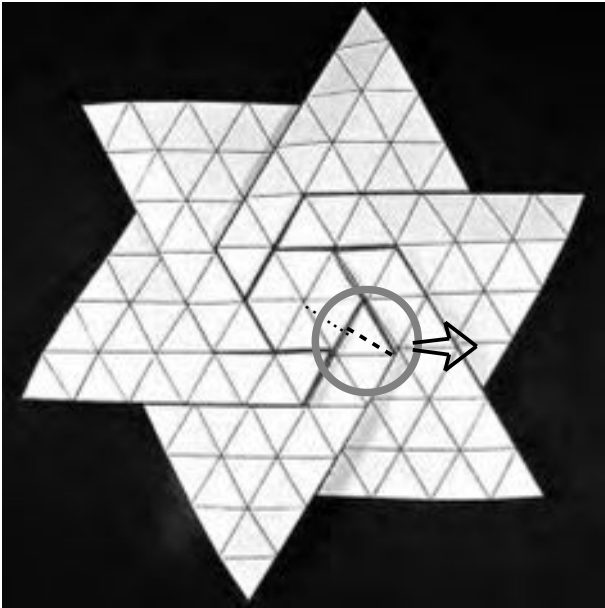
Résultat. *Result*.

4



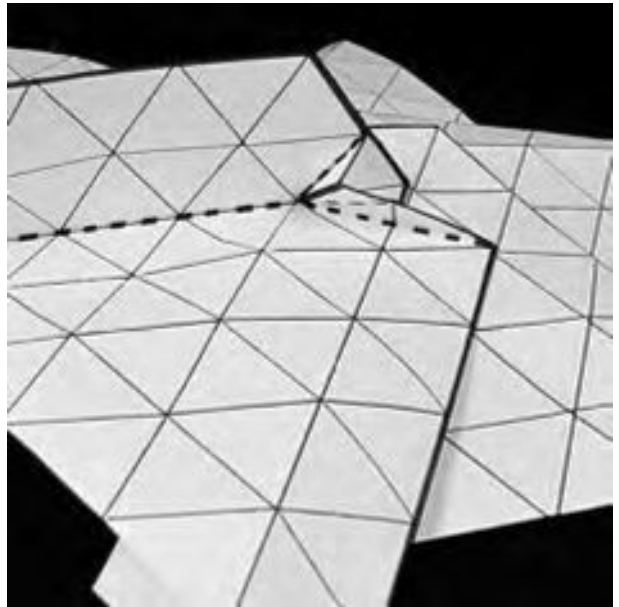
 Twist fermé. *Twist off*.

5



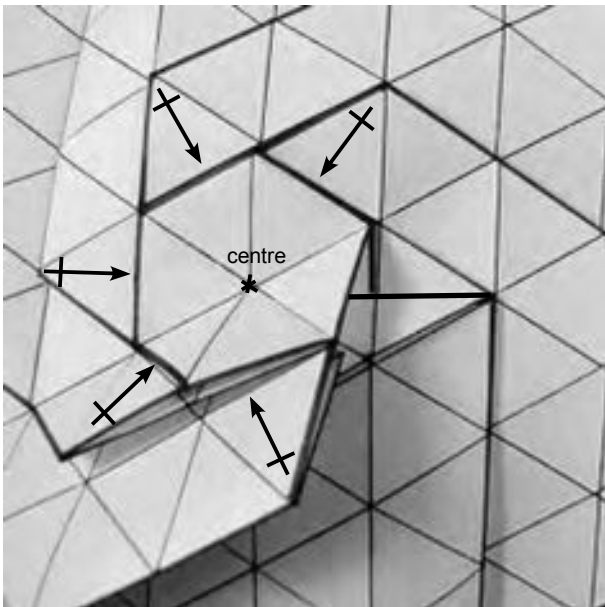
- ➡ Zoom de la zone à travailler.
Zoom the work area.
- Rayon X. *X ray.*
- Pli vallée. *Valley fold.*

6



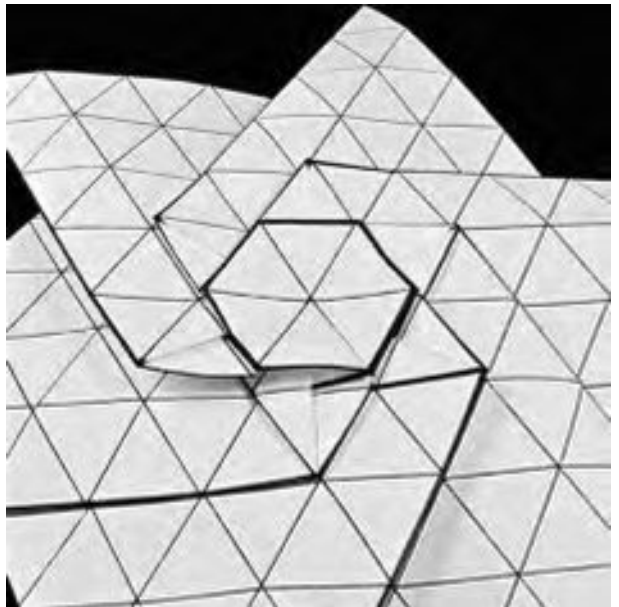
Vue de côté. *Side view.*

7



Vue de haut. *Top view.*
 ➡ Répéter. *Repeat.*

8



Résultat. *Result.*

9



- Pli montagne. *Mountain fold.*
- Pli vallée. *Valley fold.*
- + → Répéter. *Repeat.*
- ↪ Faire coïncider les deux points. *Align the two points.*

10



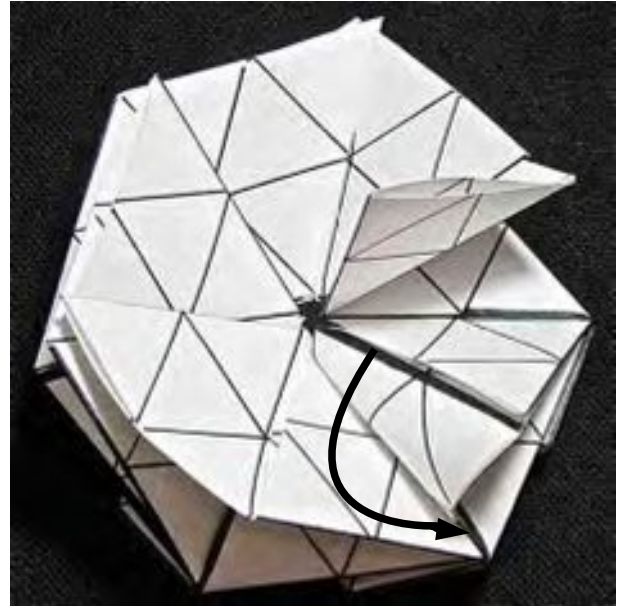
Résultat recto. *Result front view.*

11



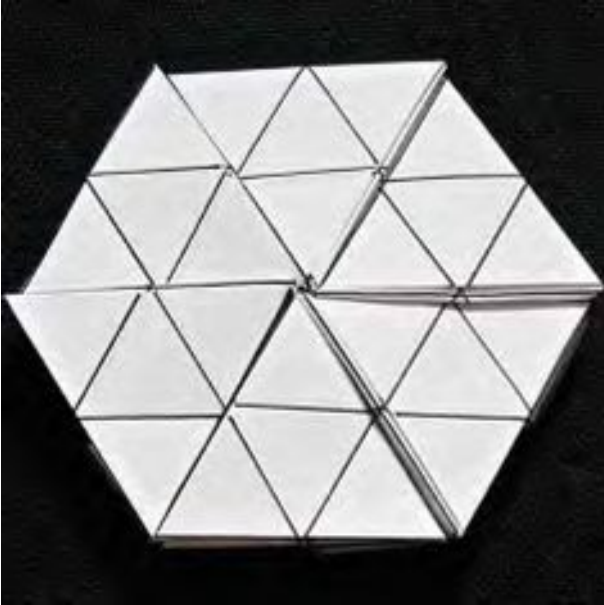
Résultat verso. *Result back.*

12



- ↪ Insérer le volet dans la poche. *Insert the flap into the pocket.*
- Pli montagne. *Mountain fold.*

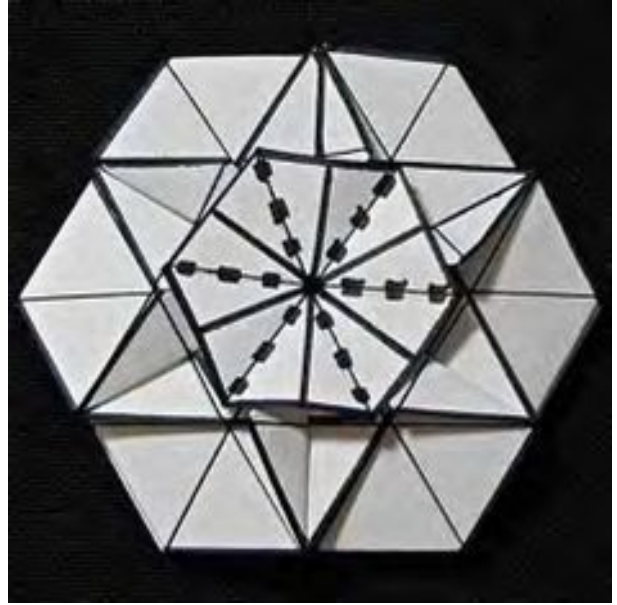
13



Résultat verso. *Result back.*

↻ Retourner. *Return.*

14

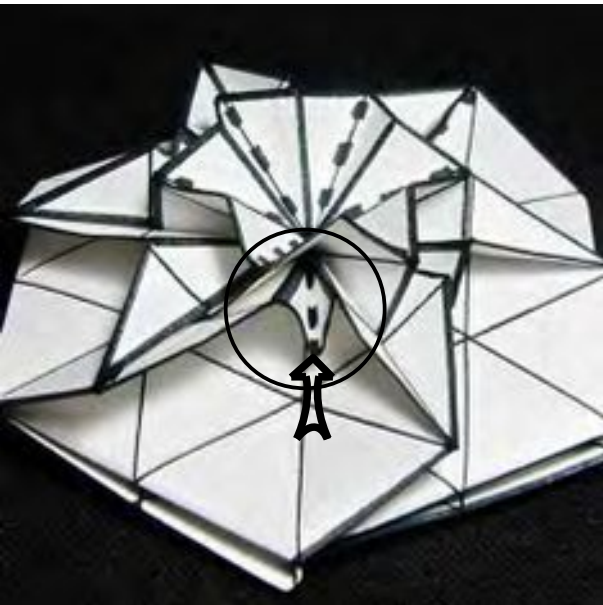


— Pli montagne. *Mountain fold.*

----- Pli vallée. *Valley fold.*

Redresser le centre. *Straighten the center.*

15



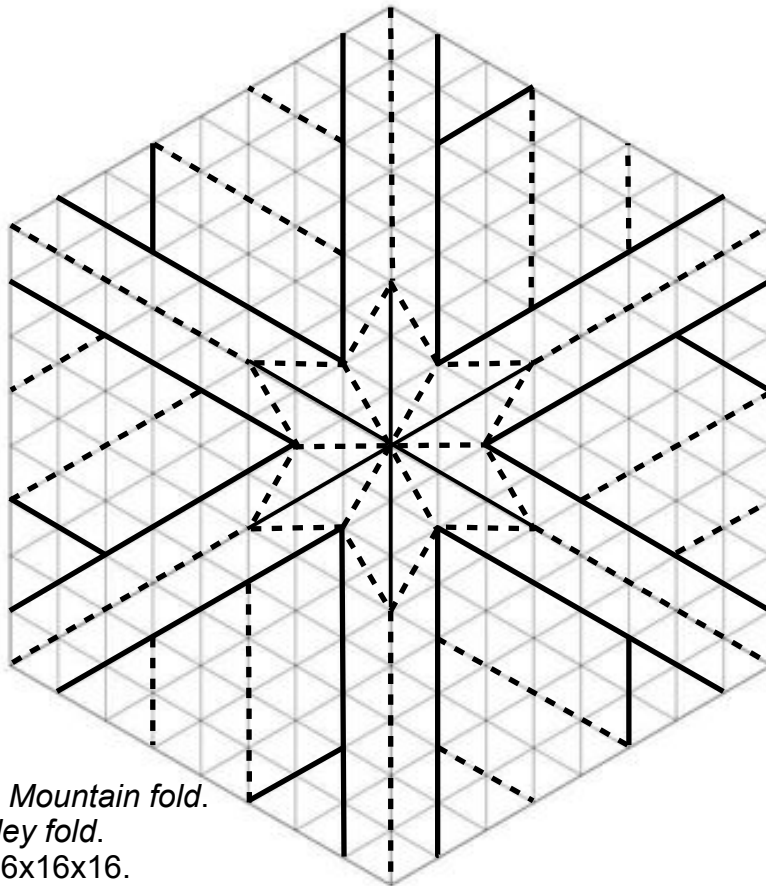
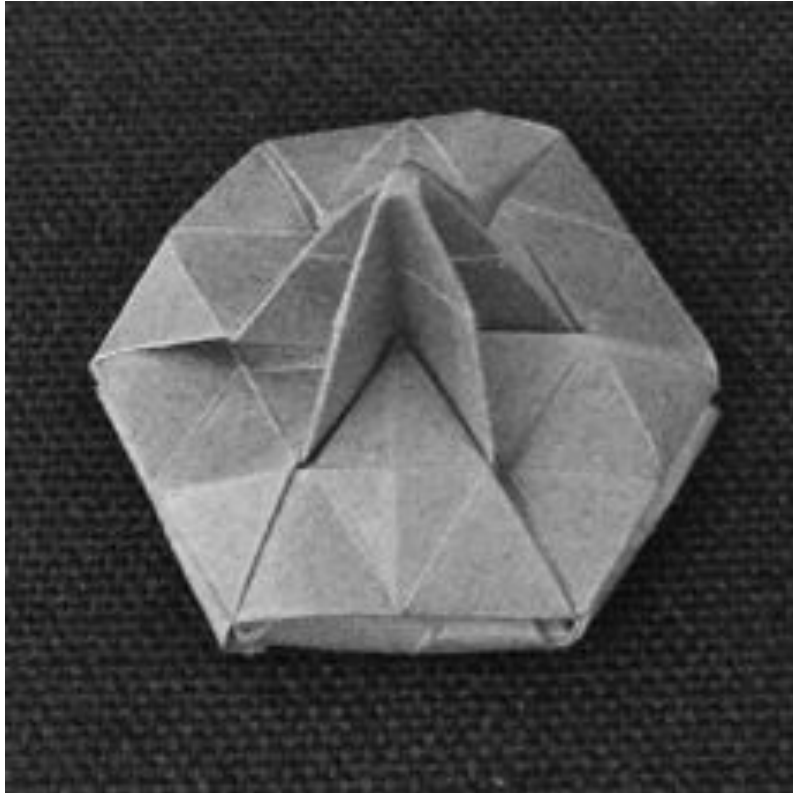
Redresser le volet indiqué par la flèche.
Straighten the flap indicated by the arrow.

15bis



Cette solution est aussi possible.
This solution is also possible.

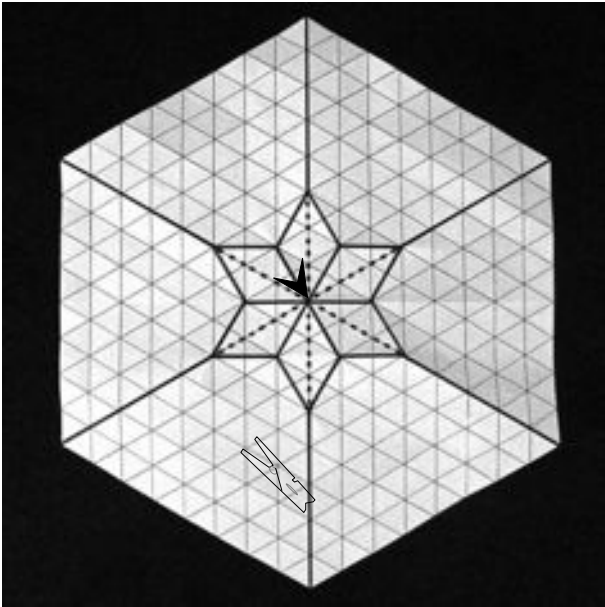
Blûeme

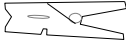


— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid : 16x16x16.*

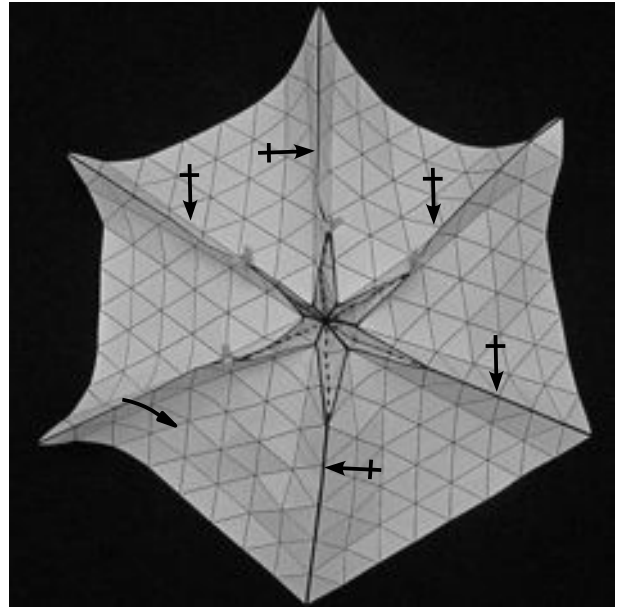
Canevas de plis. *Crease pattern.*


1



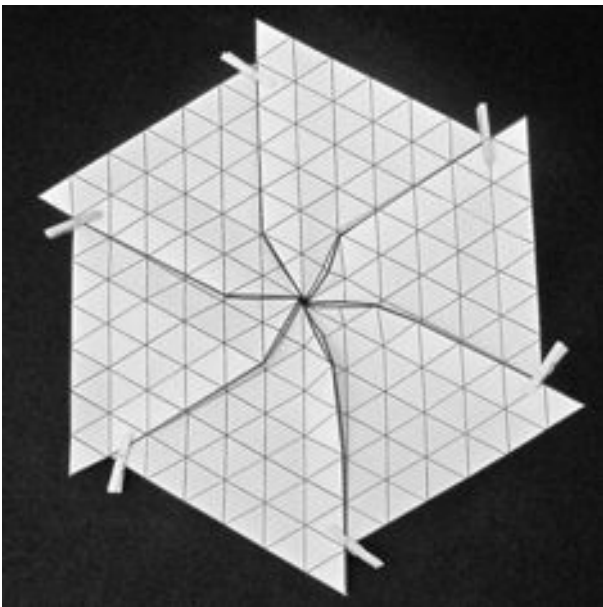
- Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*
- ◐ Couleur dessous. *Color below.*
- ▼ Enfoncement. *Sink.*
-  Pincer les plis montagnes. *Pinch mountain folds.*

2




- Résultat. *Result.*
-  Coucher le pli vers la droite
- + → Répéter. *Repeat.*

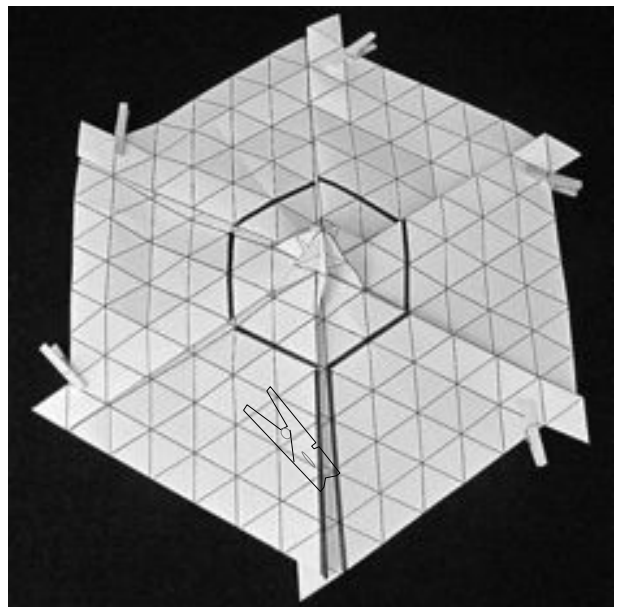
3

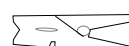


Résultat. *Result.*

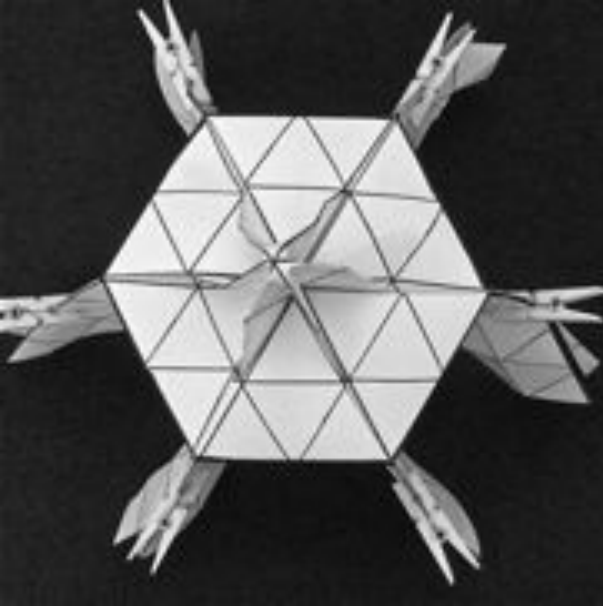
-  Retourner. *Return.*

4



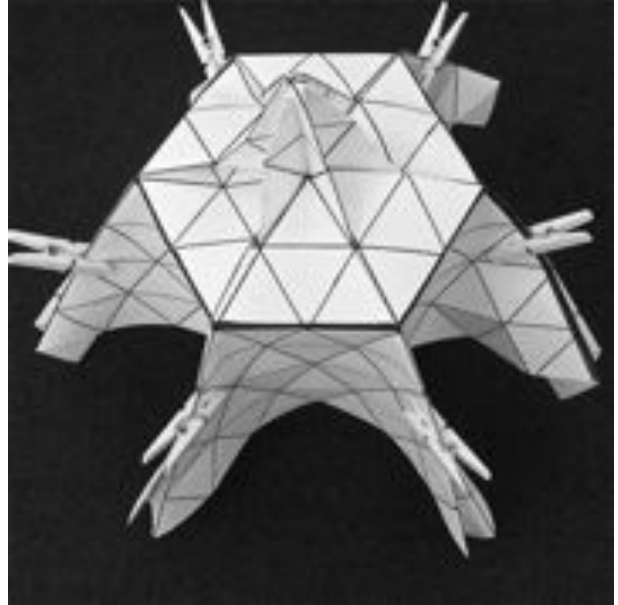
- Pli montagne. *Mountain fold.*
-  Pincer les épaisseurs. *Pinch thicknesses.*

4



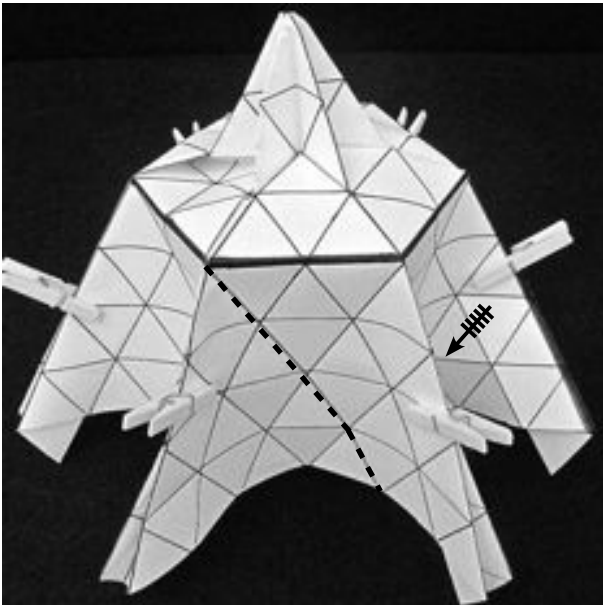
Résultat. *Result.*

5



Autre vue. *Other view.*

6



- - - - - Pli vallée. *Valley fold.*

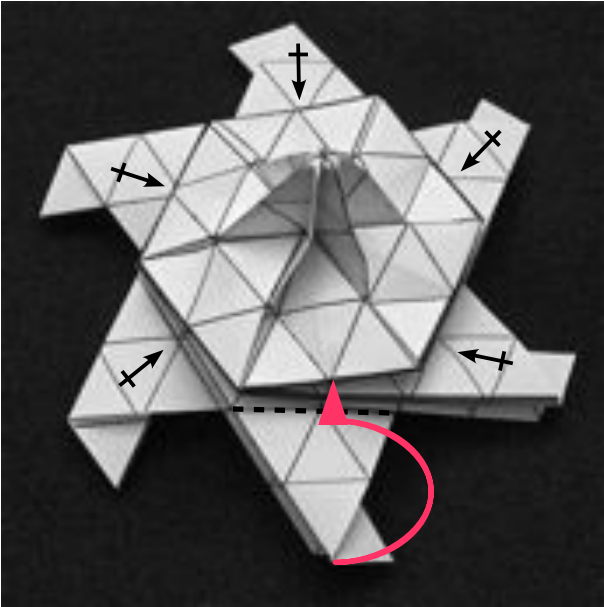
≡≡≡→ Répéter. *Repeat.*



7



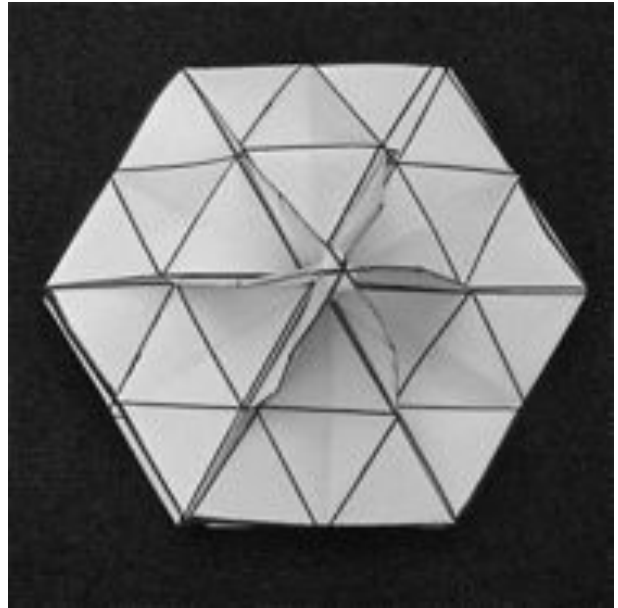
Résultat. *Result.*

8



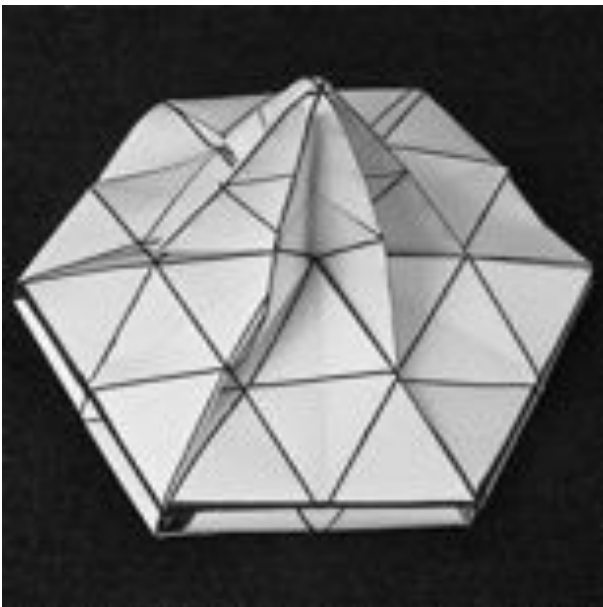
- Pli vallée. *Valley fold.*
-  Glisser le volet dans la poche.
Slide the flap in the pocket.
-  Répéter. *Repeat.*

9



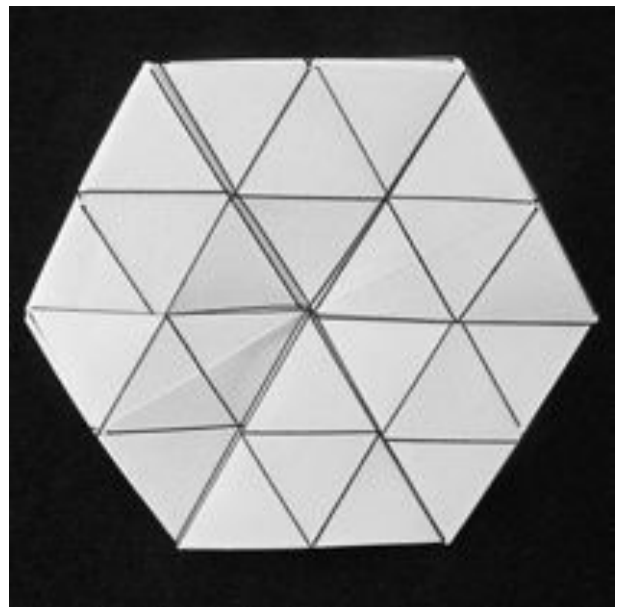
Résultat recto. *Result front view.*

10



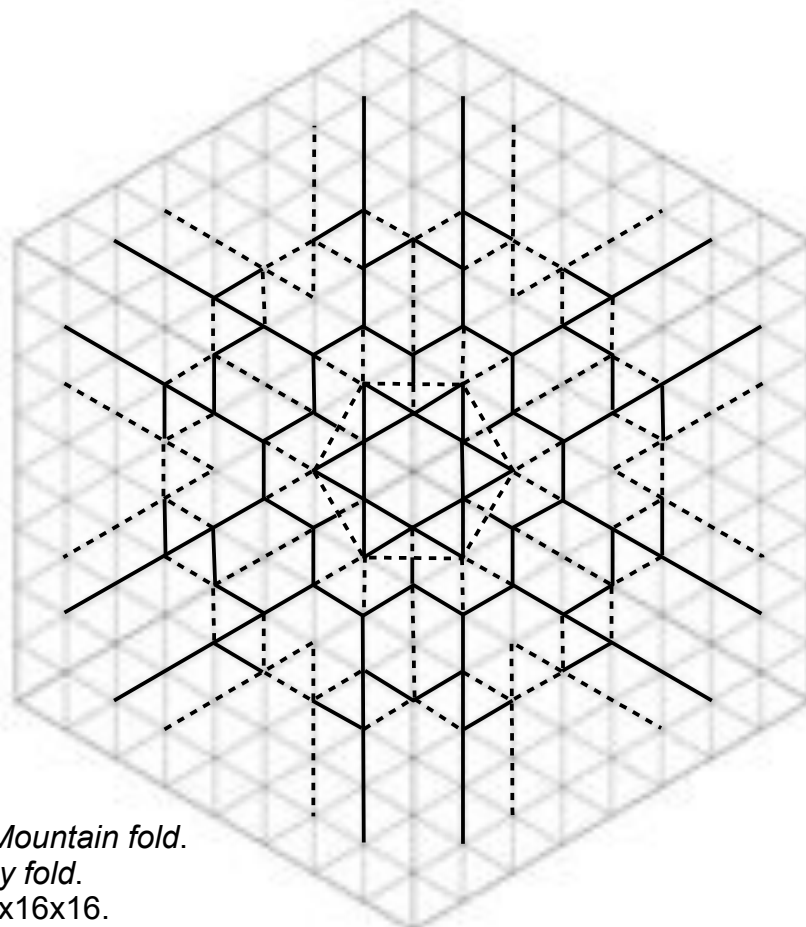
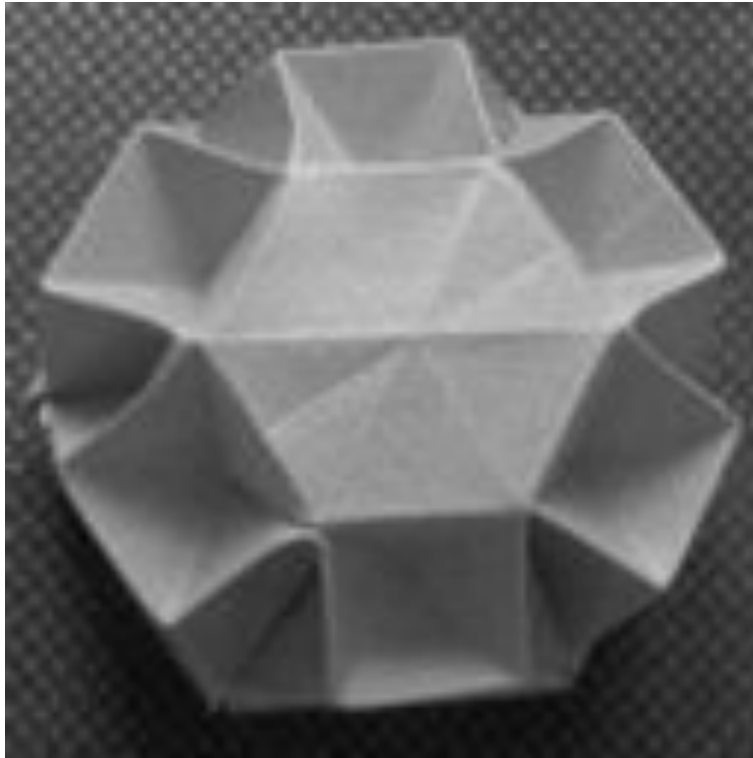
Autre vue. *Other view.*

11



Résultat verso. *Result back view.*

Faux diamant



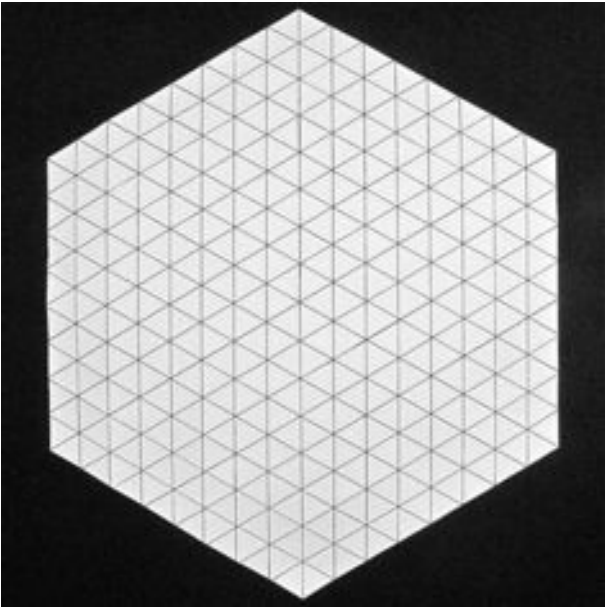
— Pli montagne. *Mountain fold.*

- - - Pli vallée. *Valley fold.*

Grille. *Grid* : 16x16x16.

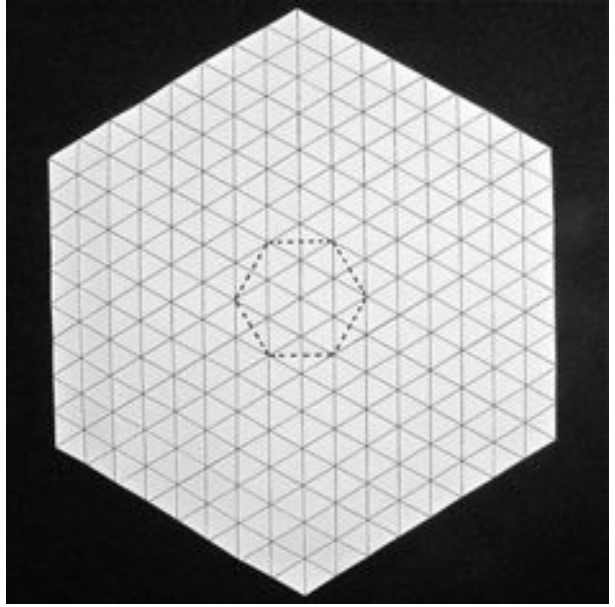
Canevas de plis. *Crease pattern.*

1



Grille. *Grid* : 16x16x16.

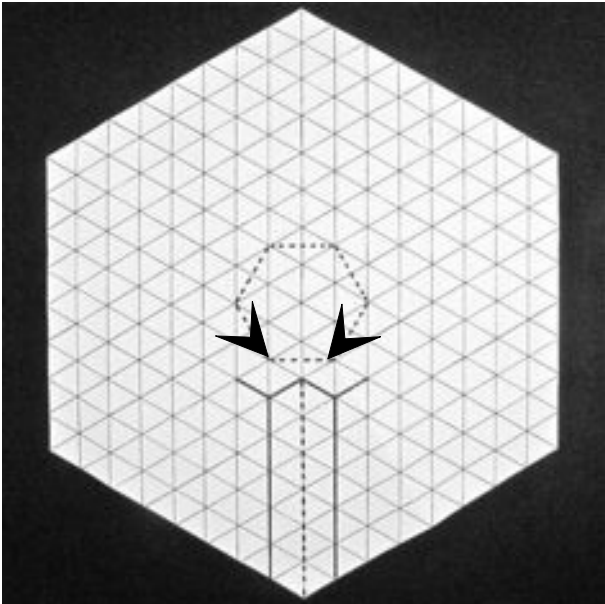
2



----- Pli vallée. *Valley fold*.

◐ Couleur dessus. *Color top*.

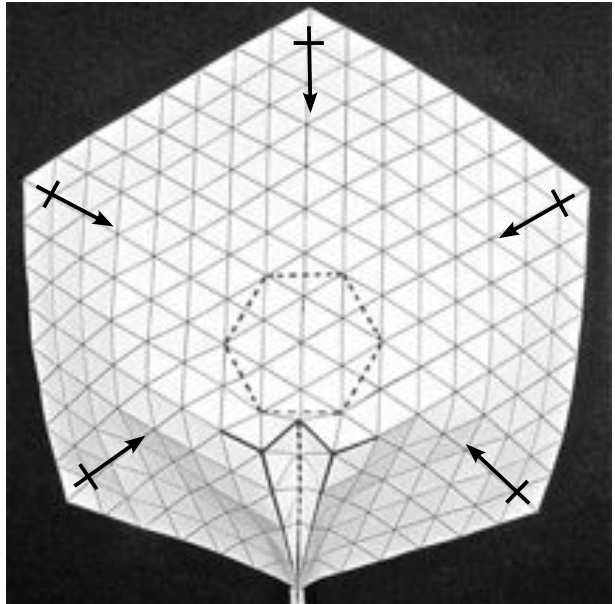
3



▼ Enfoncement. *Sink*.

— Pli montagne. *Mountain fold*.

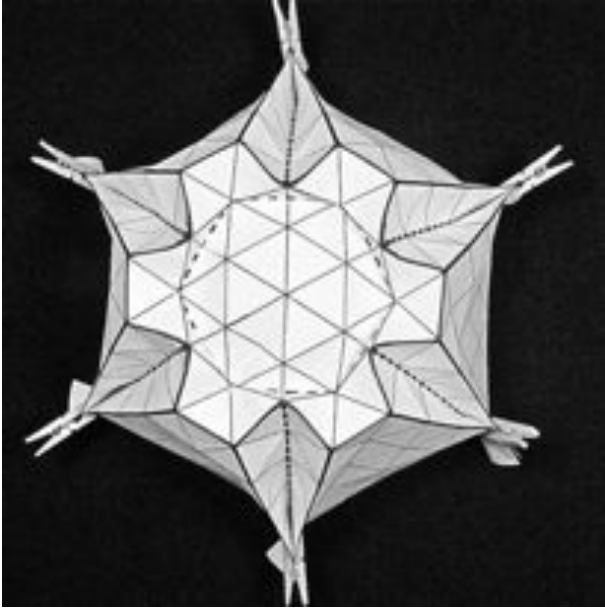
4



Résultat. *Result*.

➔ Répéter. *Repeat*.

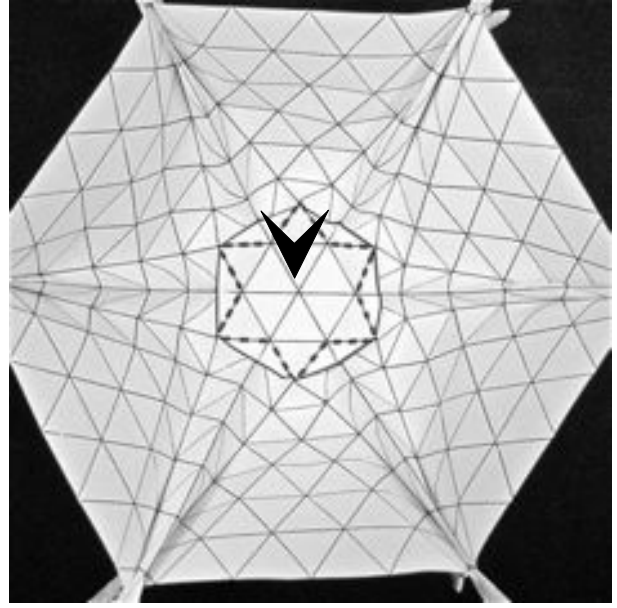
5



Résultat. *Result.*

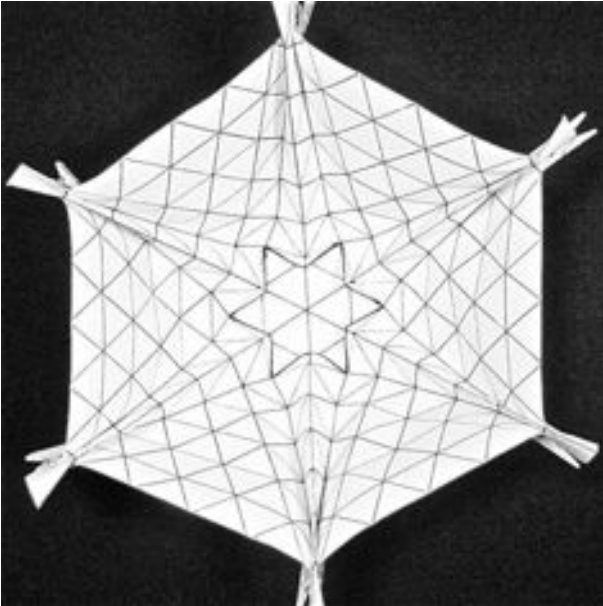
↻ Retourner. *Return.*

6



▼ Enfoncement. *Sink.*

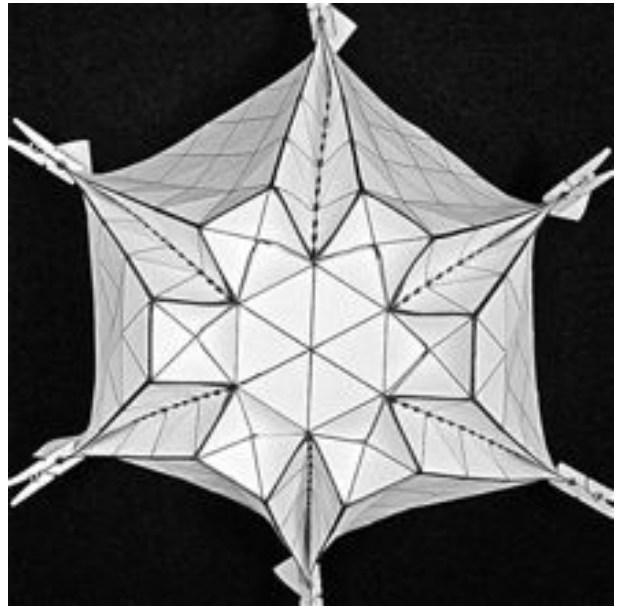
7



Résultat verso. *Result back.*

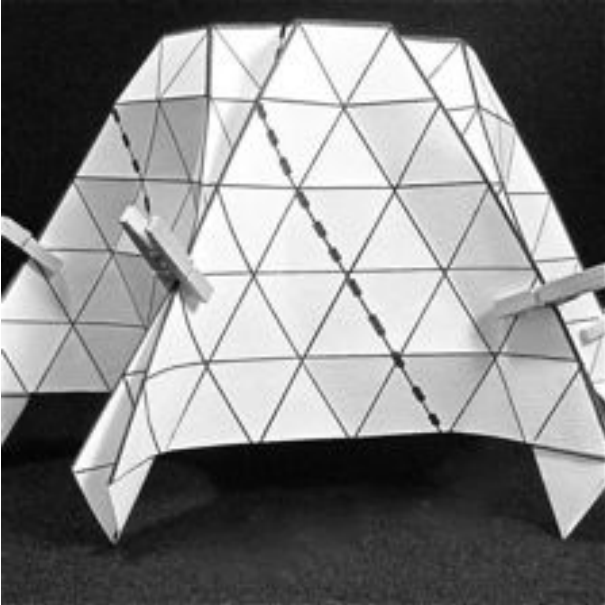
↻ Retourner. *Return.*

8



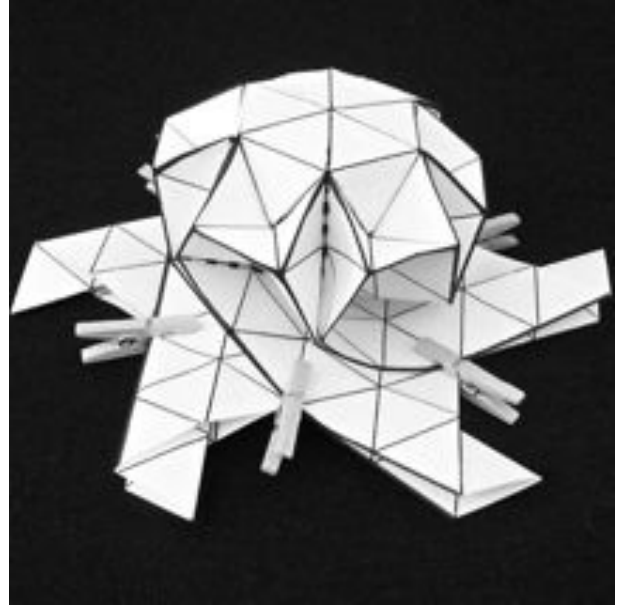
Résultat recto. *Result front view.*

9



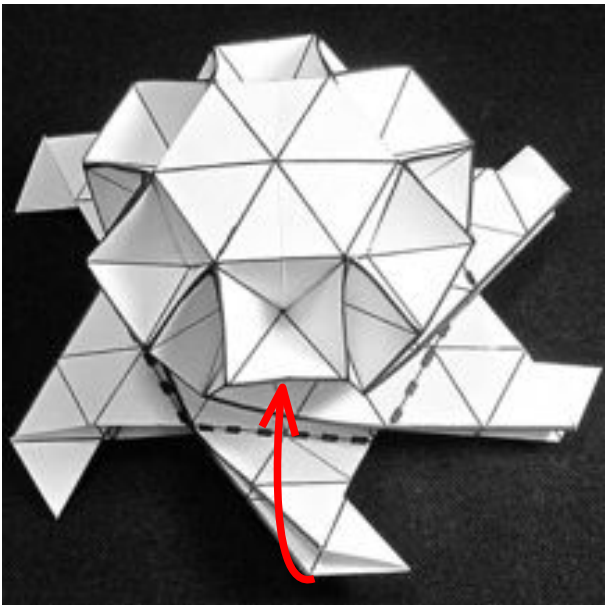
----- Pli vallée. *Valley fold.*

10



Résultat. *Result.*

11

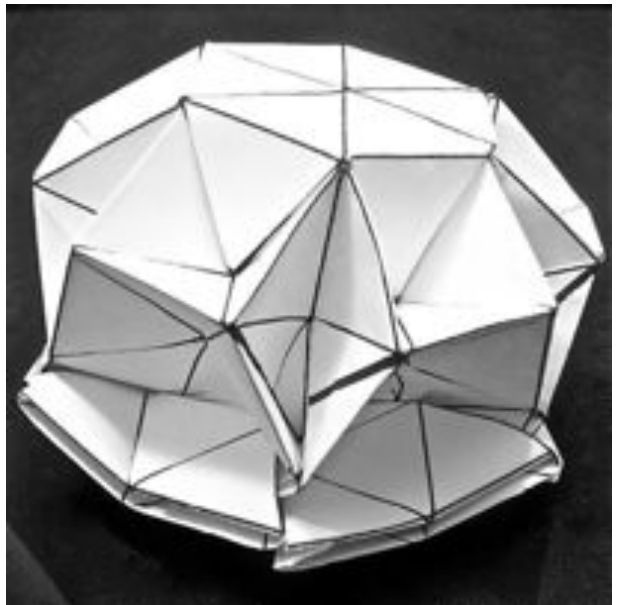


----- Pli vallée. *Valley fold.*



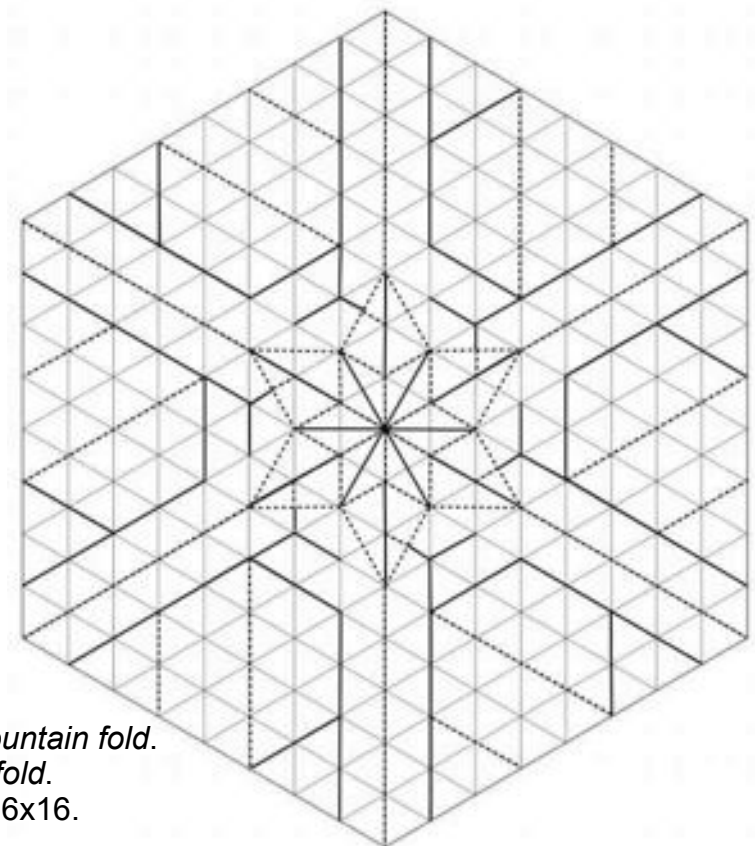
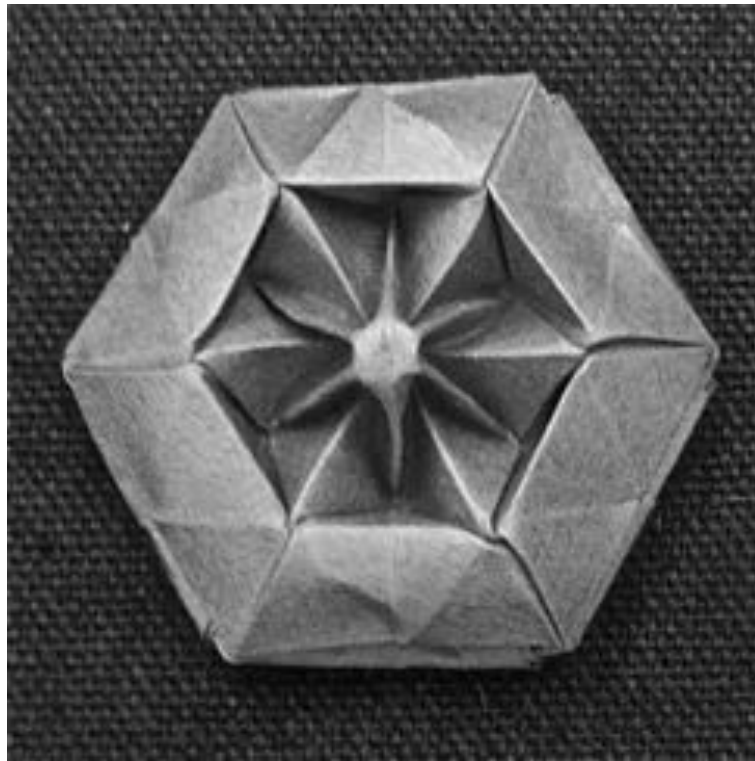
Piler à l'intérieur. *Fold in inside.*

12



Résultat. *Result.*

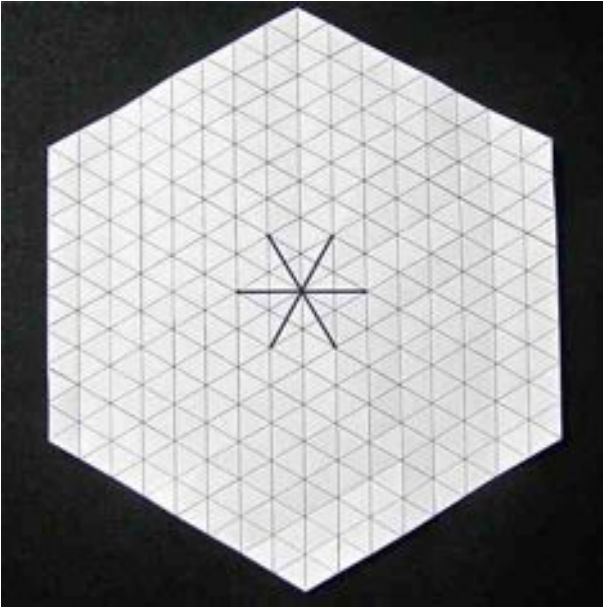
Fleur de noyer



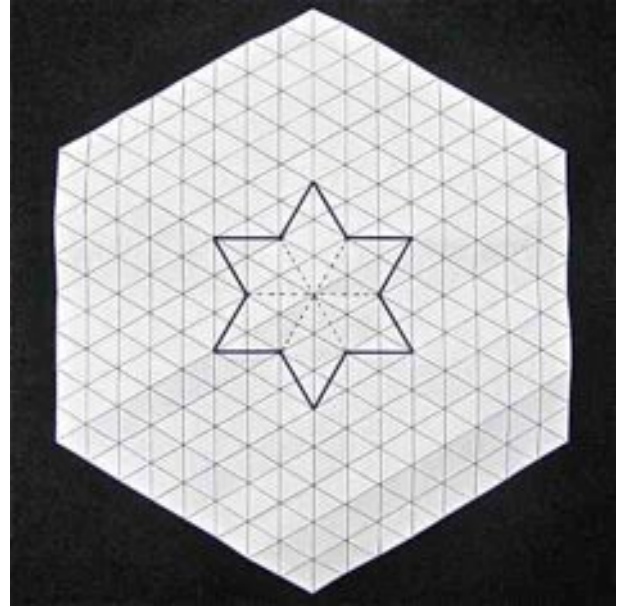
— Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
Grille. *Grid* : 16x16x16.




Canevas de plis. *Crease pattern.*



1



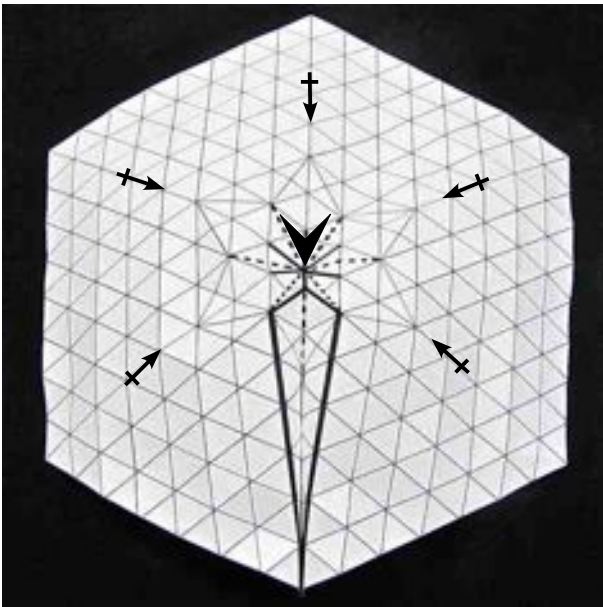
2



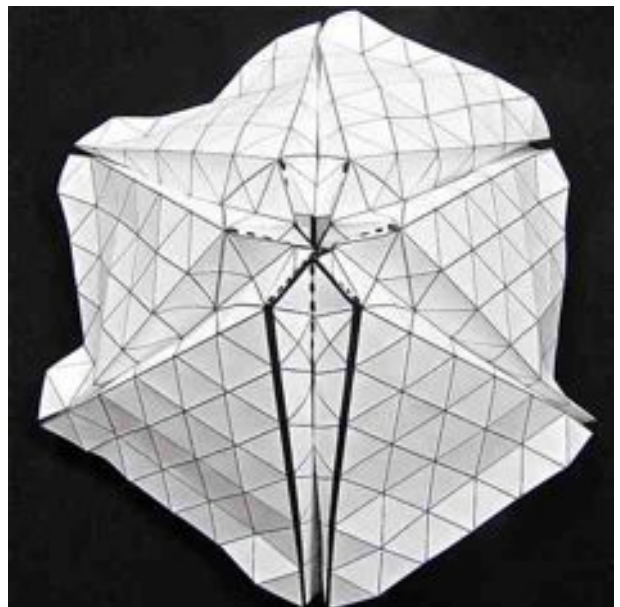
-  Couleur dessus. *Color top.*
-  Pli montagne. *Mountain fold.*
-  Retourner. *Return.*





-  Pli montagne. *Mountain fold.*
-  Pli vallée. *Valley fold.*

3



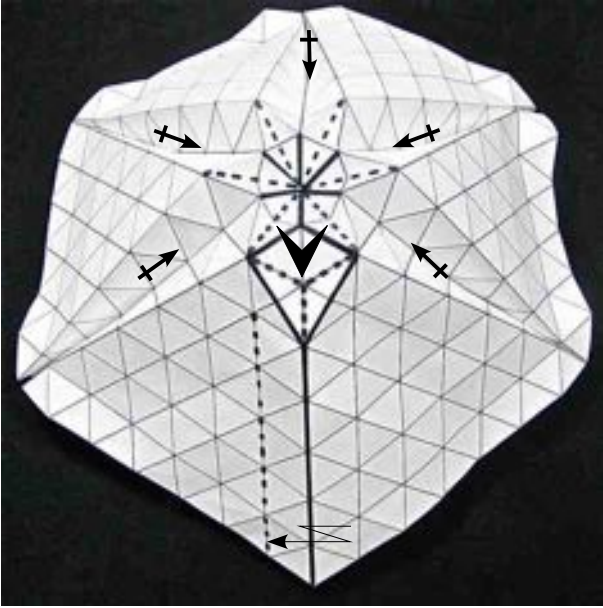
4



-  Pli montagne. *Mountain fold.*
-  Pli vallée. *Valley fold.*
-  Enfoncement. *Sink.*
Mise en 3D du centre.
Getting 3D center.
-  Répéter. *Repeat.*

- Résultat. *Result.*
- Déplier. *Unfold.*

5

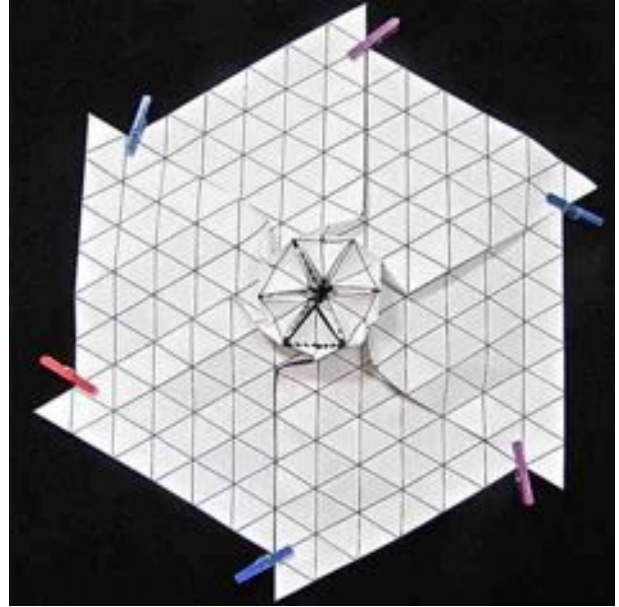


▼ Enfoncement. *Sink*.

↩ Pli Zig-Zag vers l'arrière.
Zig-Zag fold backwards.

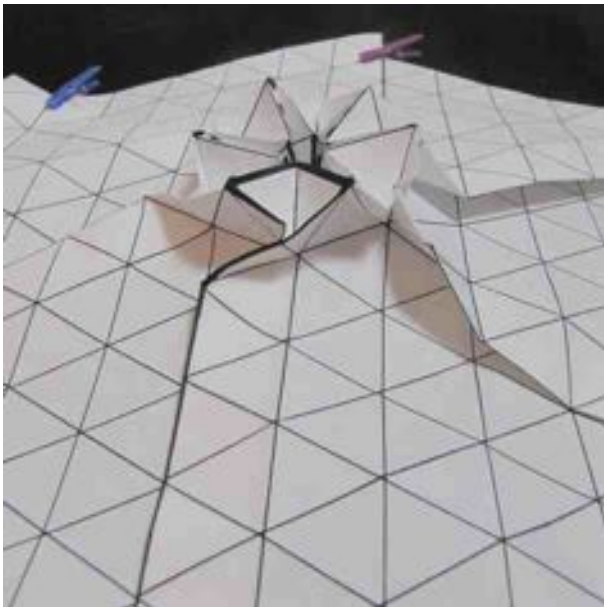
↔ Répéter. *Repeat*.

6



Résultat. *Result*.

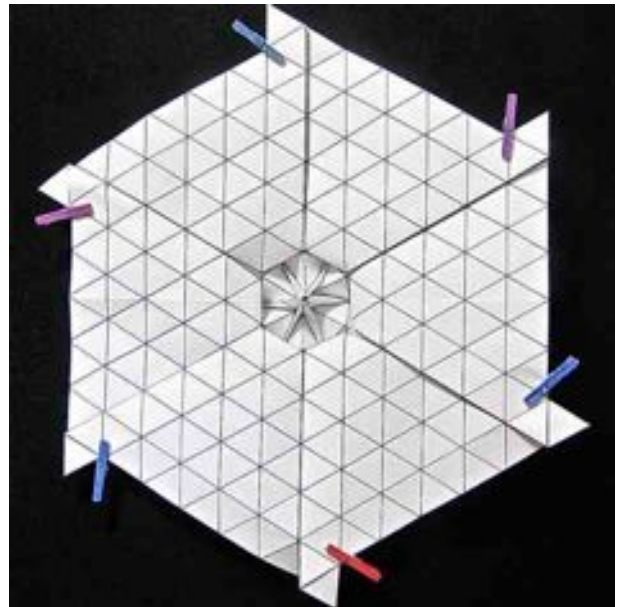
6bis



Autre vue. *Other view*.

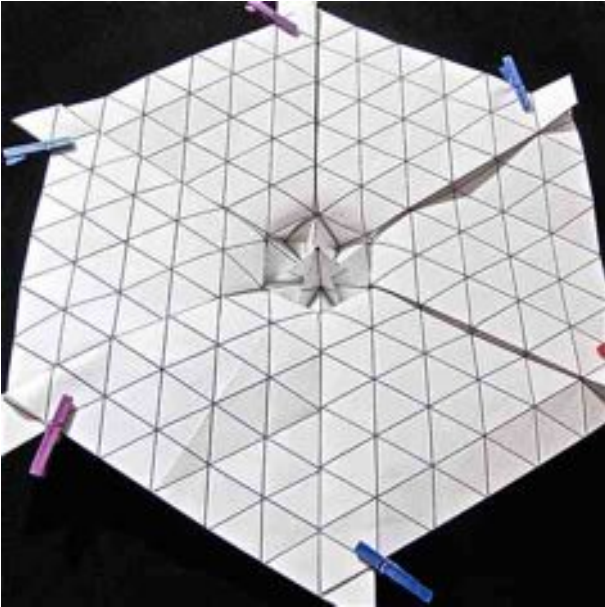
↶ Retourner. *Return*.

7



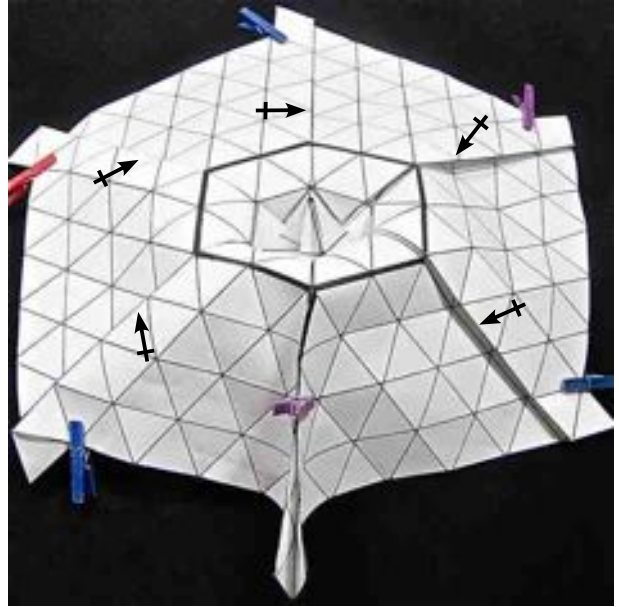
Résultat verso. *Result back*.

7bis



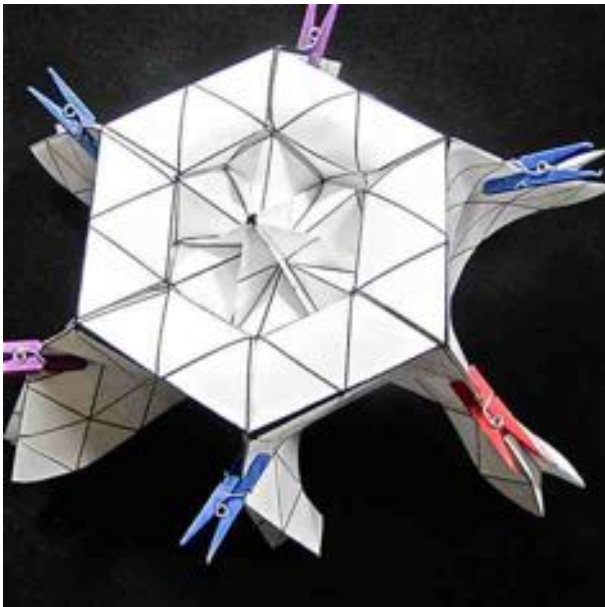
Autre vue. *Other view.*

8



— Pli montagne. *Mountain fold.*
 ↗ Répéter. *Repeat.*

9



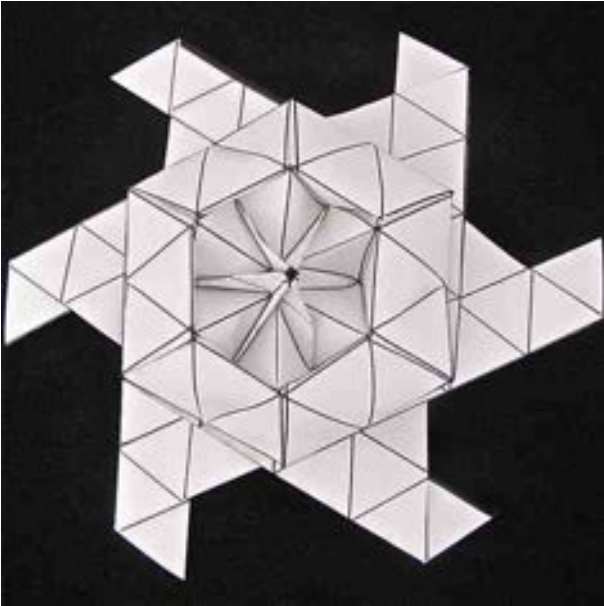
Résultat. *Result.*

10



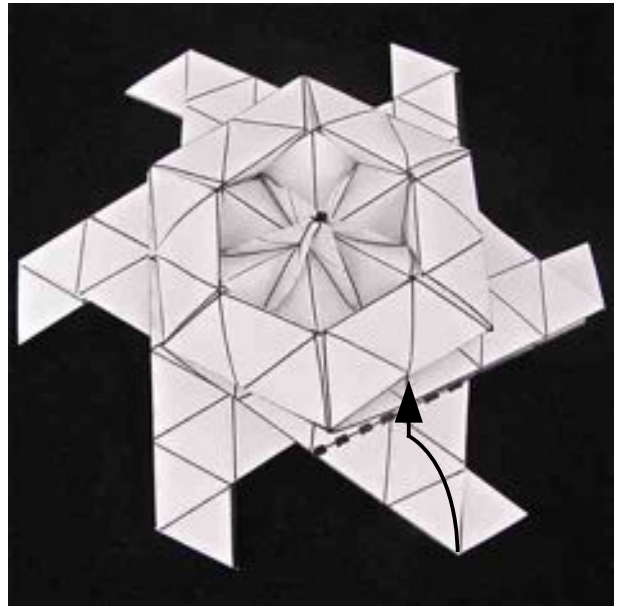
- - - - - Pli vallée. *Valley fold.*
 ↗ Répéter. *Repeat.*

11



Résultat. *Result.*

12



Plier dans la poche.
Fold in the pocket.



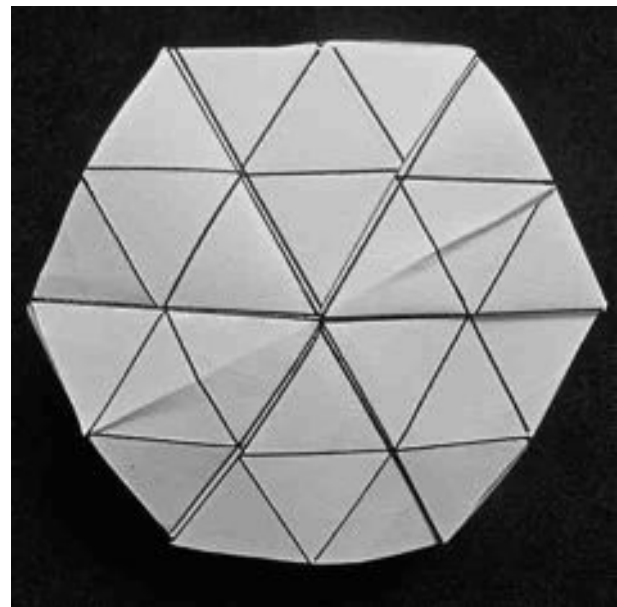
Pli vallée. *Valley fold.*

13



Résultat recto. *Result front view.*

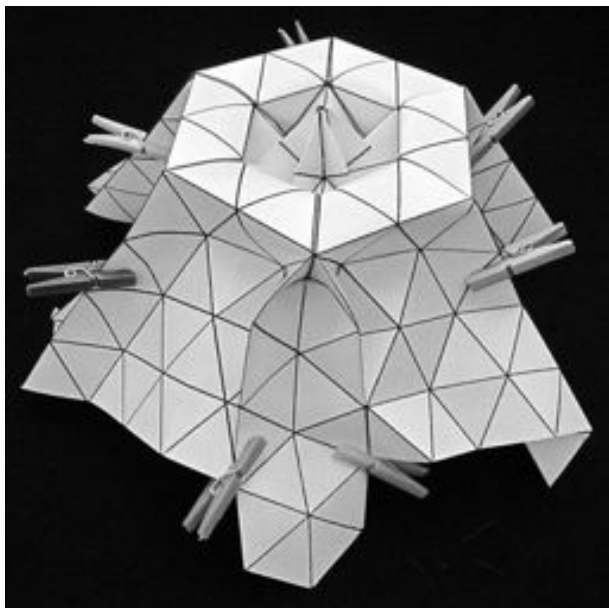
14



Résultat verso. *Result back.*

Variante de fermeture pour Fleur de noyer

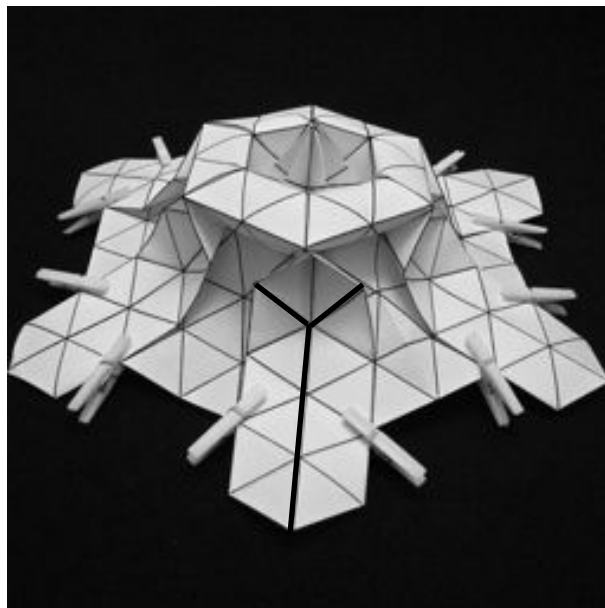
10



Ouvrir et aplatir les volets.
Open and flatten the flaps.

≡→ Répéter 5 fois. *Repeat 5 times.*

11

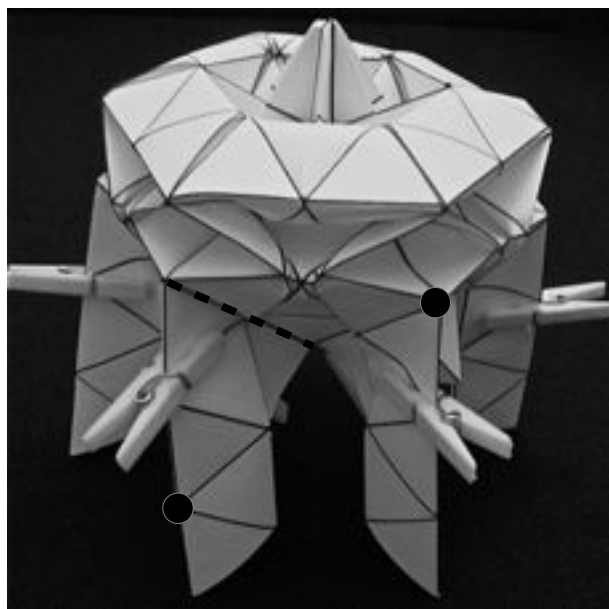


Résultat. *Result.*

— Pli montagne. *Mountain fold.*

≡→ Répéter 5 fois. *Repeat 5 times.*

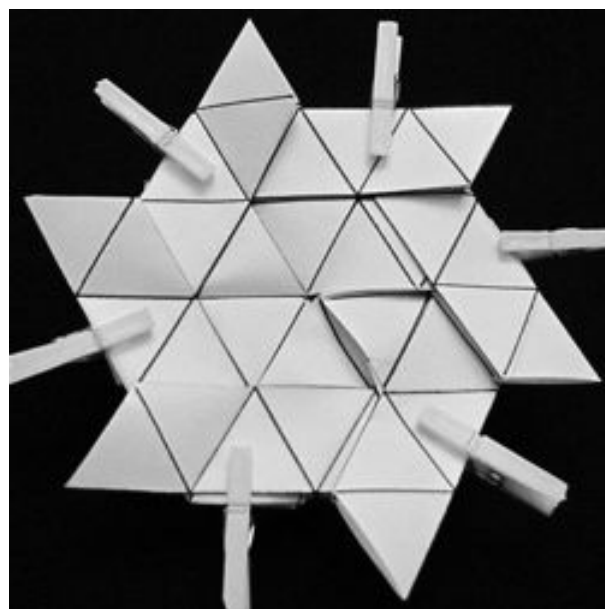
12



----- Pli vallée. *Valley fold.*

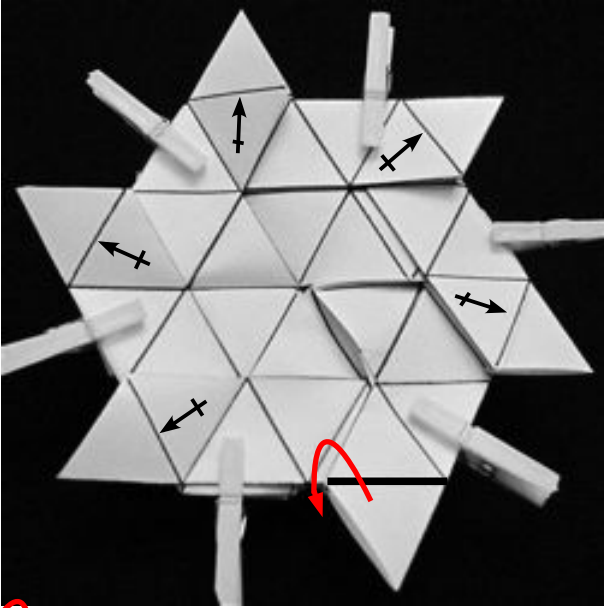
● Faire coïncider les points. *Align points.*

13



Résultat verso. *Result back view.*

14



↳ Insérer dans la poche *Insert in the pocket.*
 ↳ Répéter. *Repeat.*

15



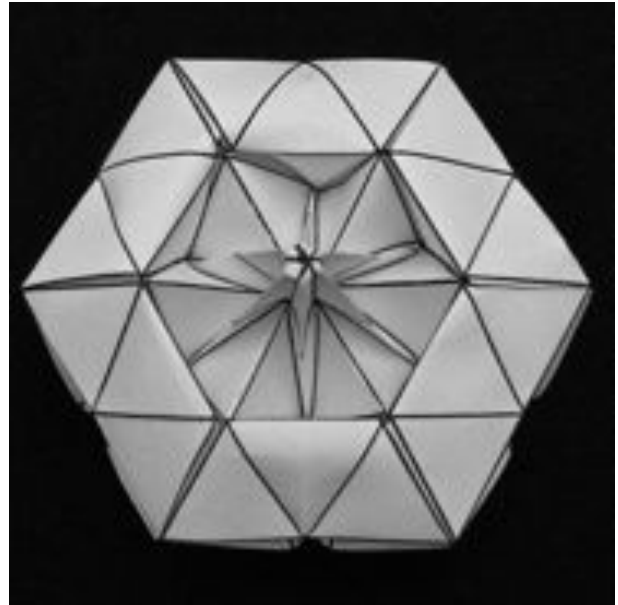
Résultat verso. *Result back view.*

16



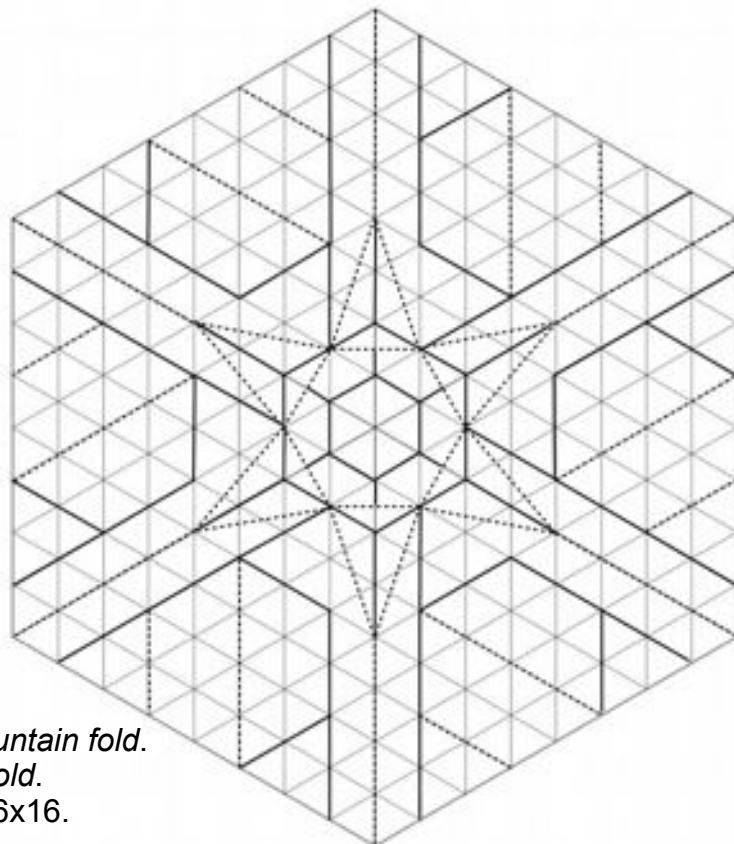
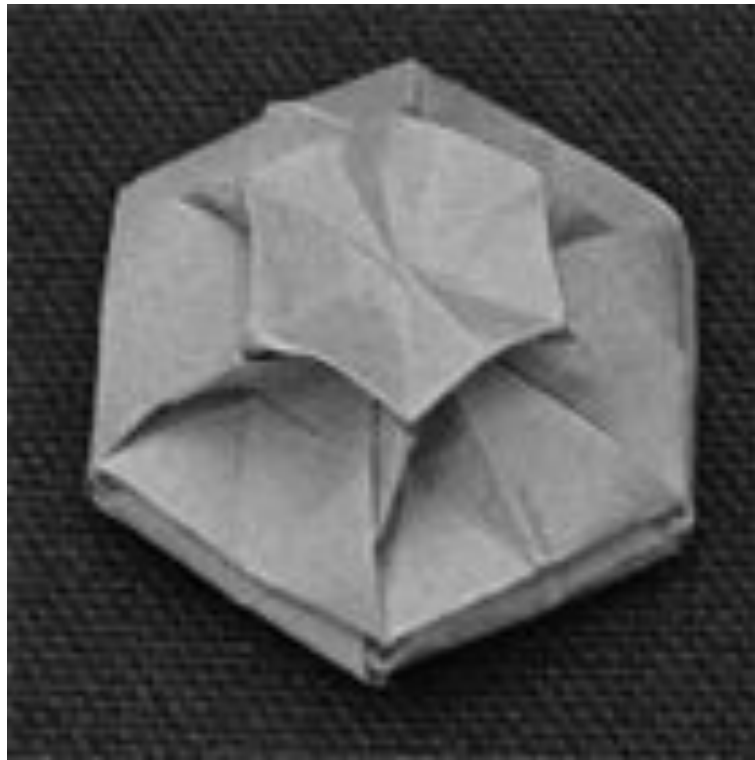
Vue de côté. *Side view.*

17



Vue de haut. *Top view.*

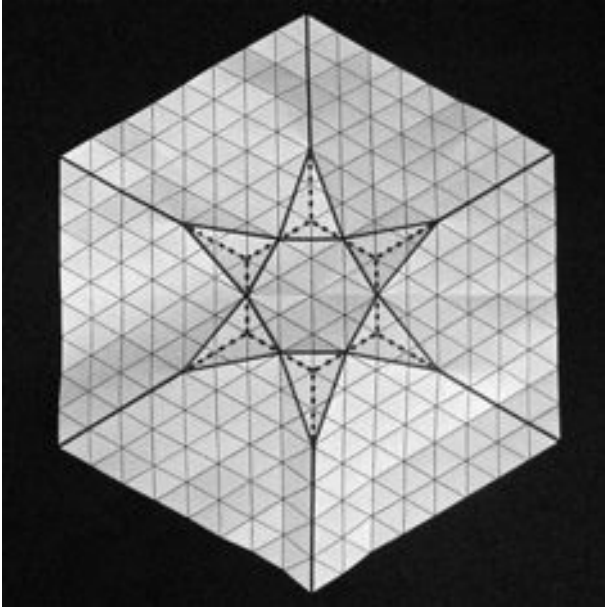
Flos






— Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
Grille. *Grid* : 16x16x16.

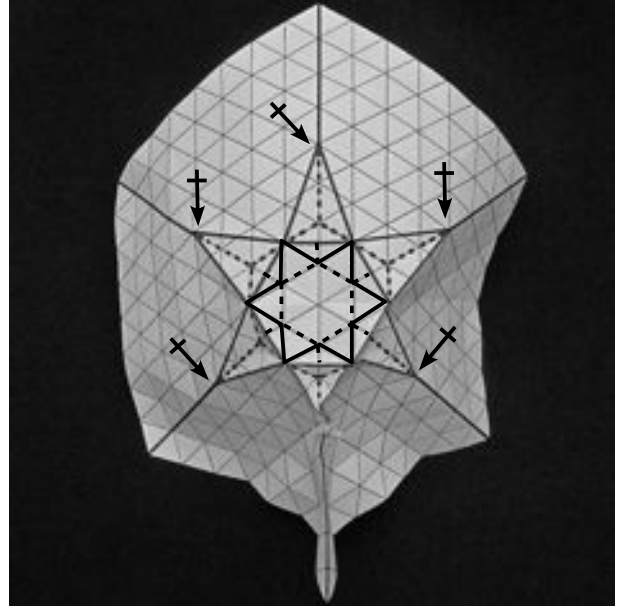
Canevas de plis. *Crease pattern.*



1



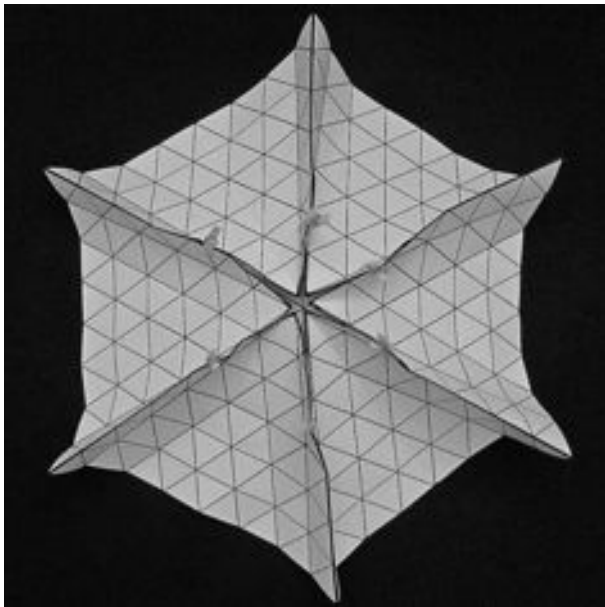
-  Couleur dessous. *Color below.*
 -  Pli montagne. *Mountain fold.*
 -  Pli vallée. *Valley fold.*
- Grille. *Grid* : 16x16x16.


2



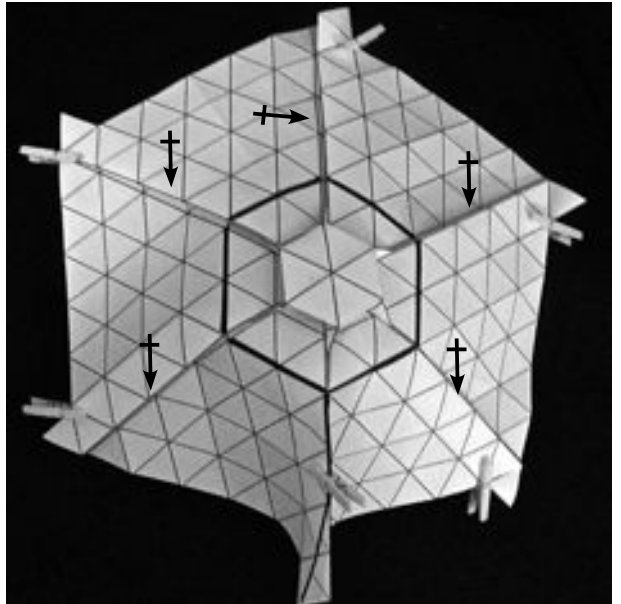
-  Pincer les plis montagnes mettant en 3D le centre. *Pinch mountain folds featuring 3D center.*
-  Répéter. *Repeat.*




3



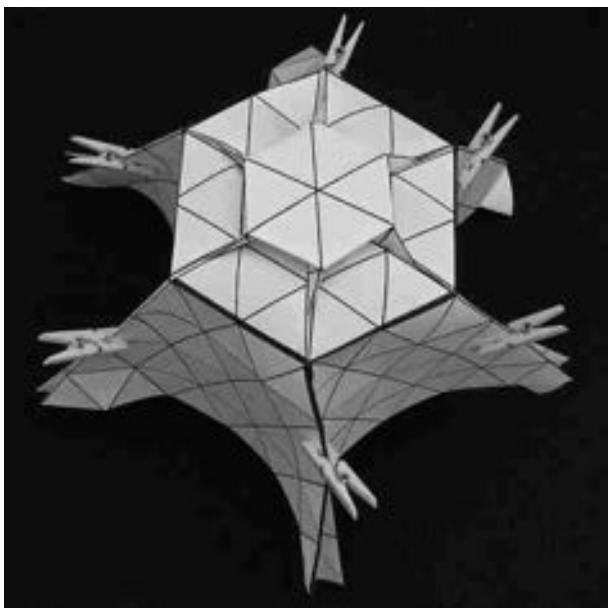
- Résultat. *Result.*
-  Retourner. *Return.*

4



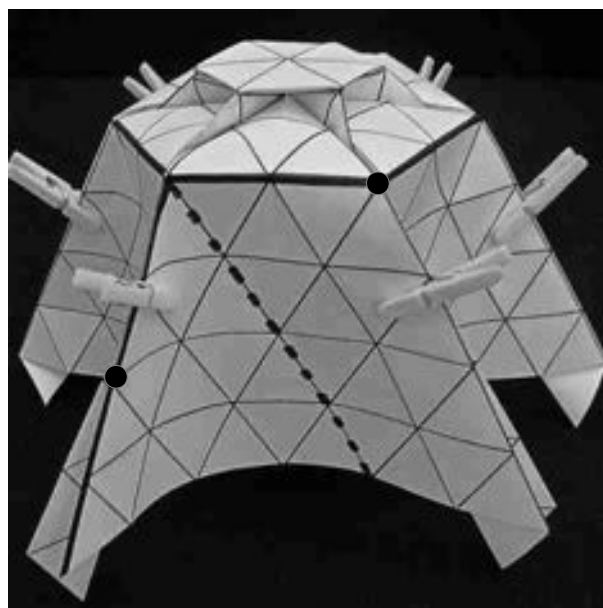
-  Pli montagne. *Mountain fold.*
-  Pincer. *Pinch.*
-  Répéter. *Repeat.*

5



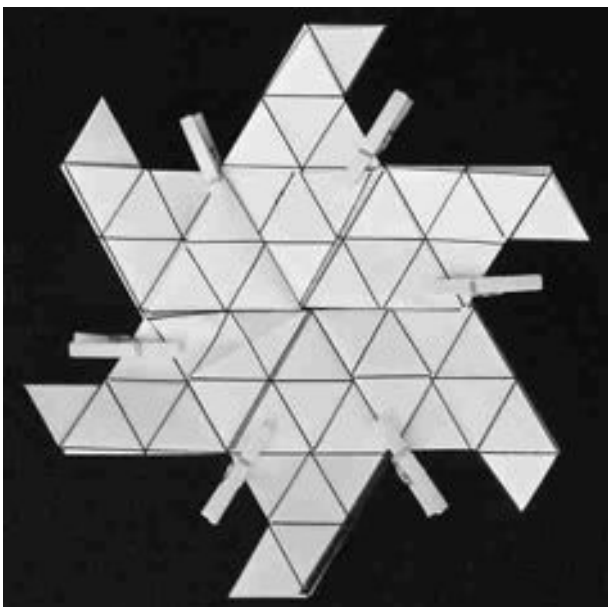
Résultat. *Result.*

6



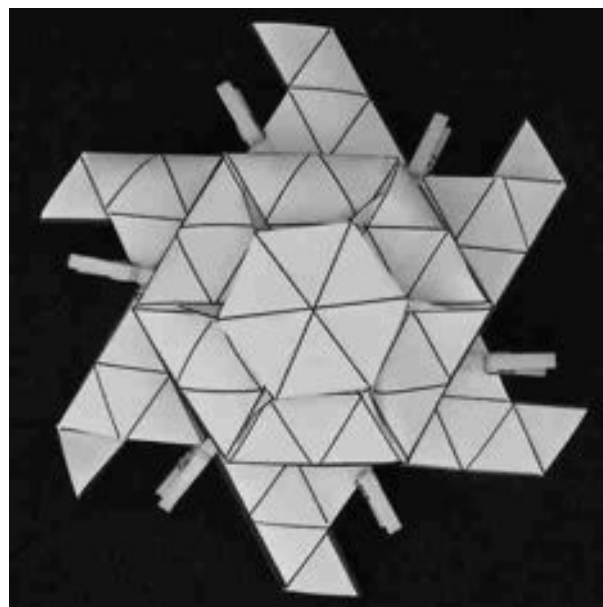
- Pli vallée. *Valley fold.*
- Faire coïncider les points. *Align points.*
- ▄▄▄▄→ Répéter sur les 5 autres demies diagonales. *Repeat on the other 5 semis diagonals.*

7



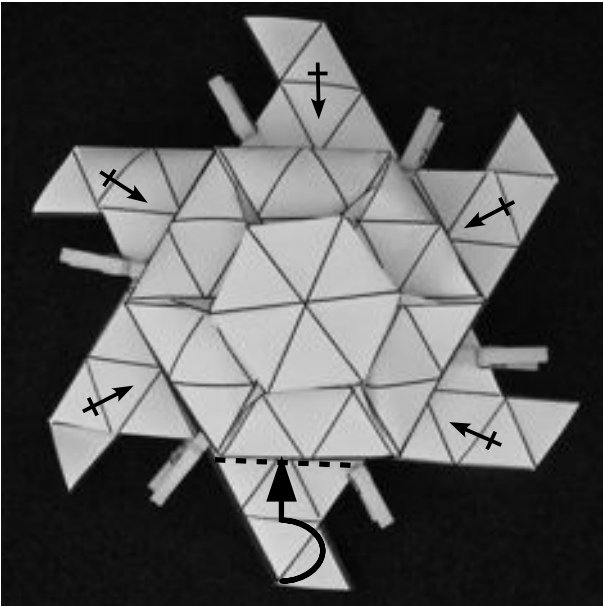
Résultat verso. *Result back.*

8



Résultat recto. *Result front view.*

9



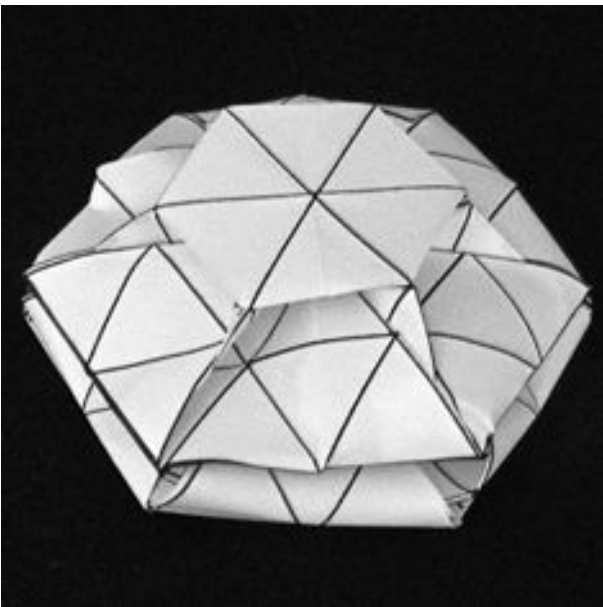
- Insérer le volet dans la poche.
Insert the flap into the pocket.
- - - - Pli vallée. *Valley fold.*
- ➦ Répéter. *Repeat.*

10



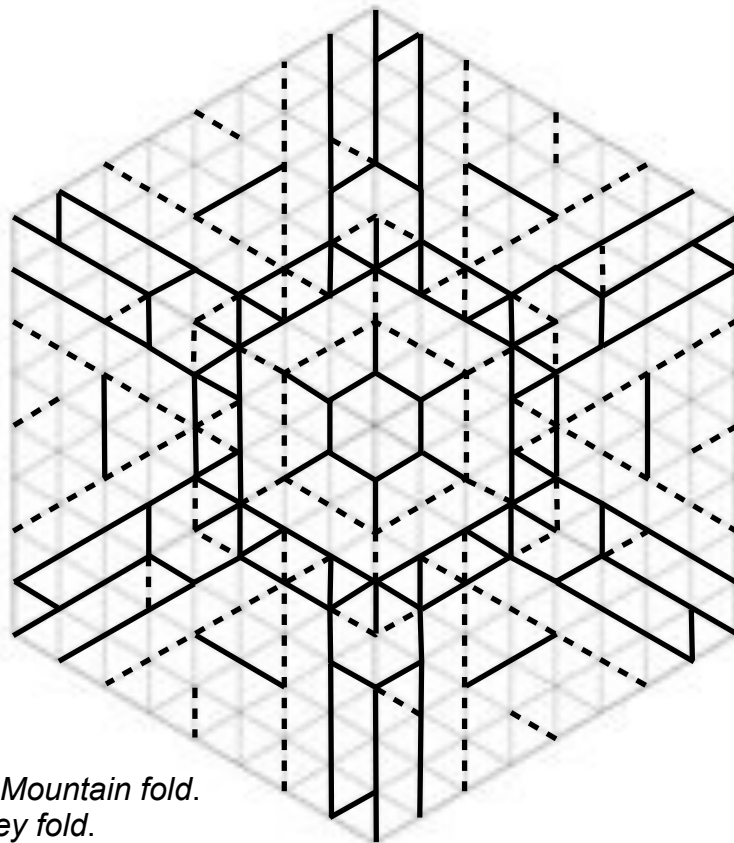
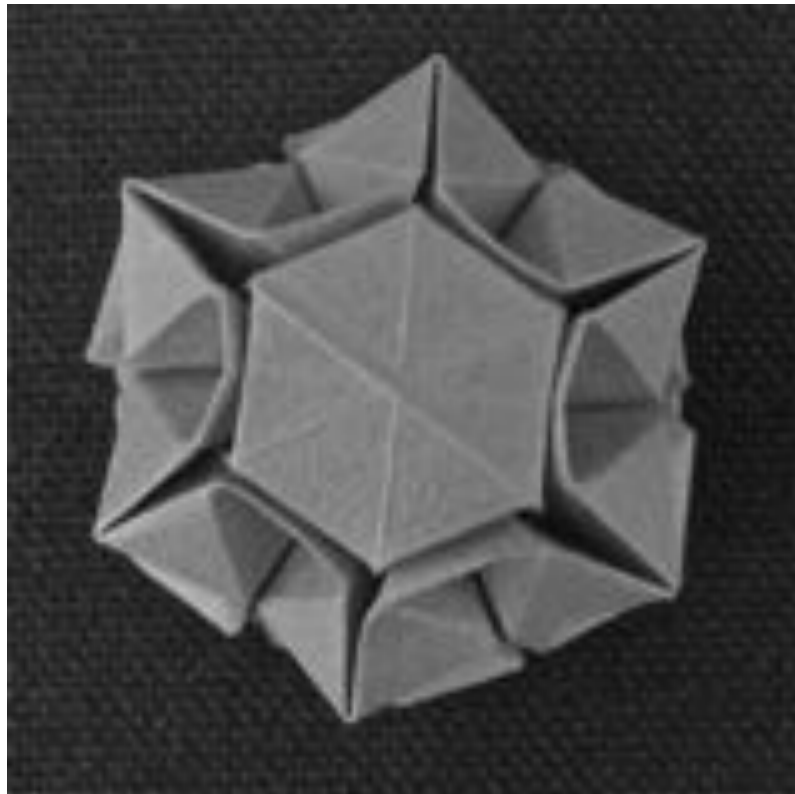
Résultat vue de haut. *Result top view.*

11



Résultat vue de $\frac{3}{4}$. *Result view $\frac{3}{4}$.*

Gul



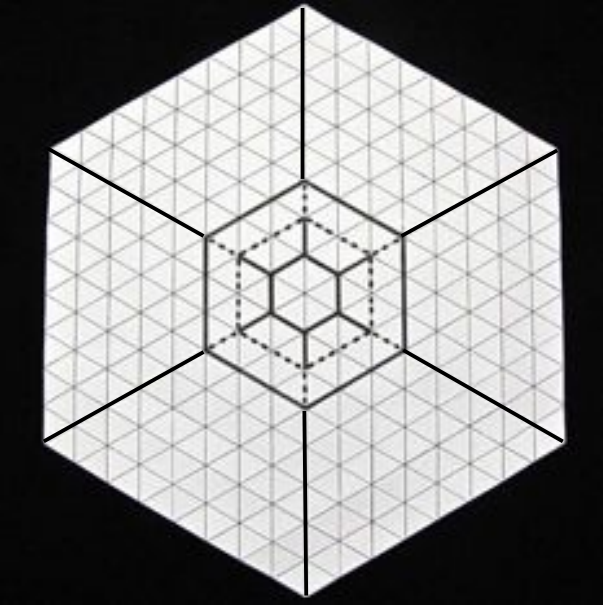
— Pli montagne. *Mountain fold.*

- - - - - Pli vallée. *Valley fold.*

Grille. *Grid : 16x16x16.*

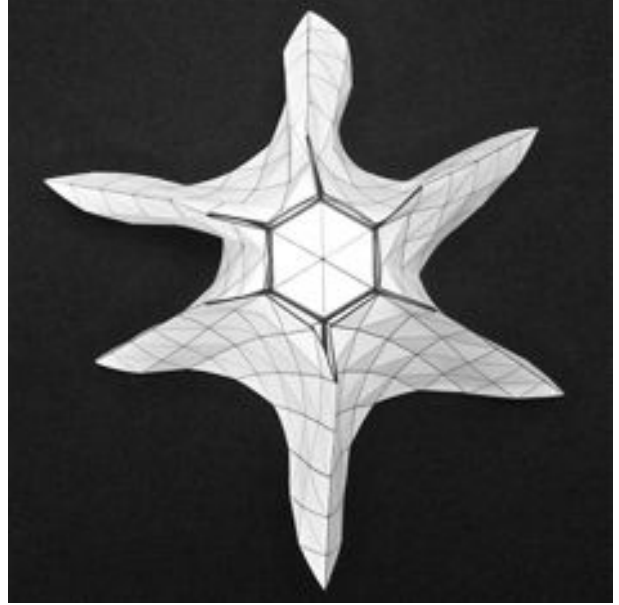
Canevas de plis. *Crease pattern.*

1



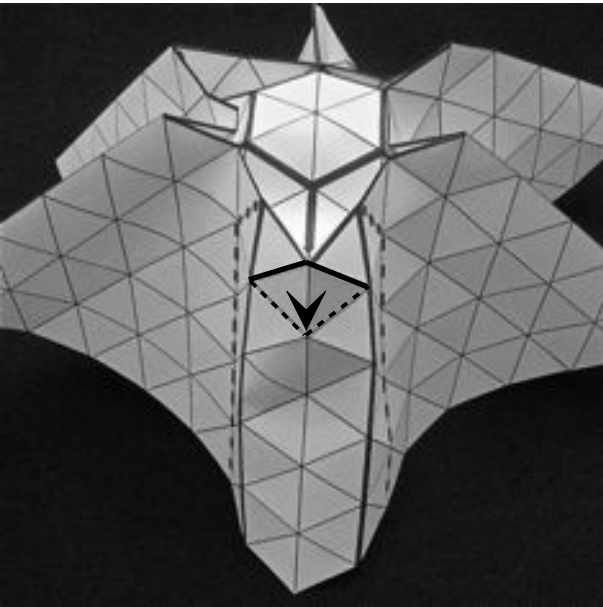
- Couleur dessus. *Color top.*
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*

2



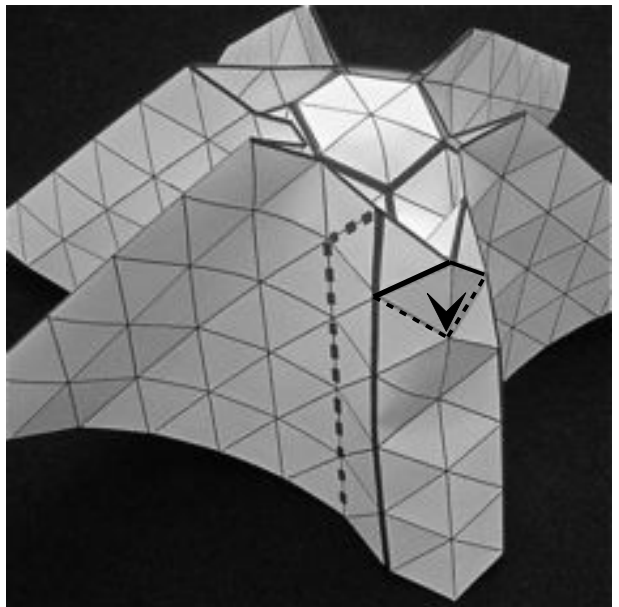
Résultat. *Result.*

3



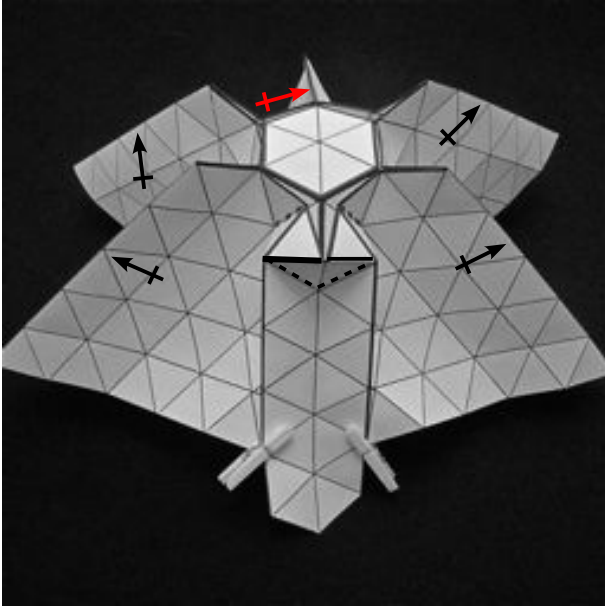
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- ▼ Enfoncement. *Sink.*

4



- Vue de côté. *Side view.*
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- ▼ Enfoncement. *Sink.*

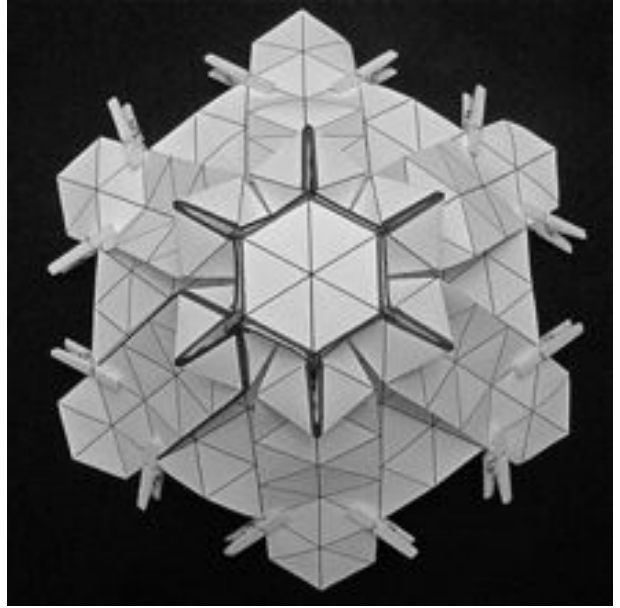
5



Résultat. *Result.*

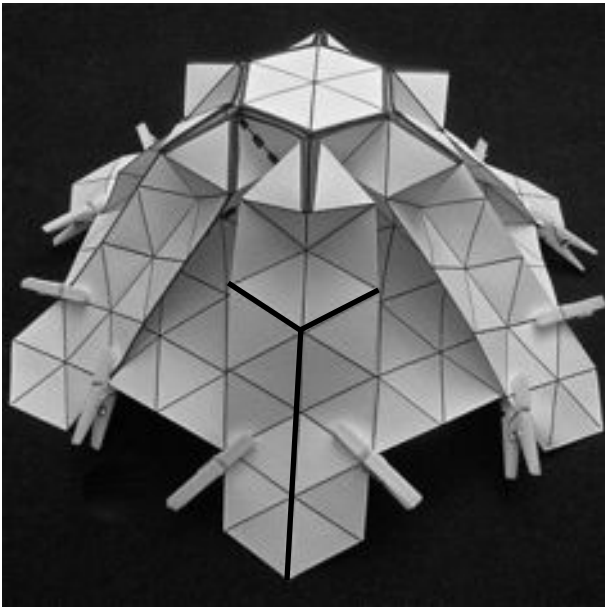
➔ Répéter. *Repeat.*

6



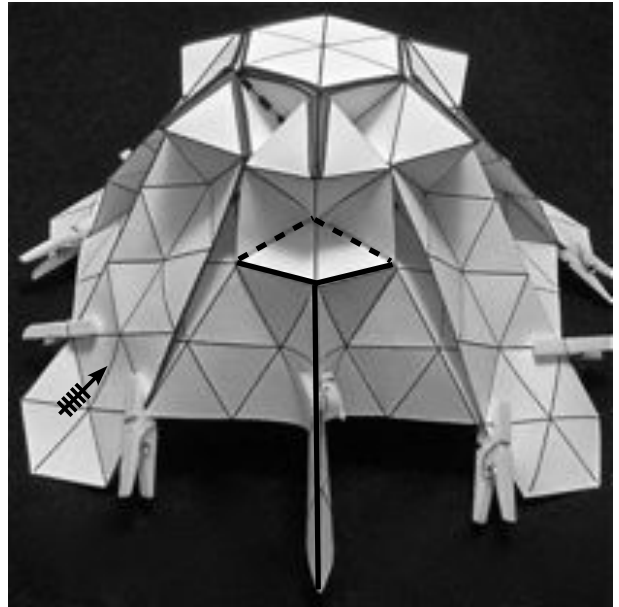
Résultat. *Result.*

7



— Pli montagne. *Mountain fold.*

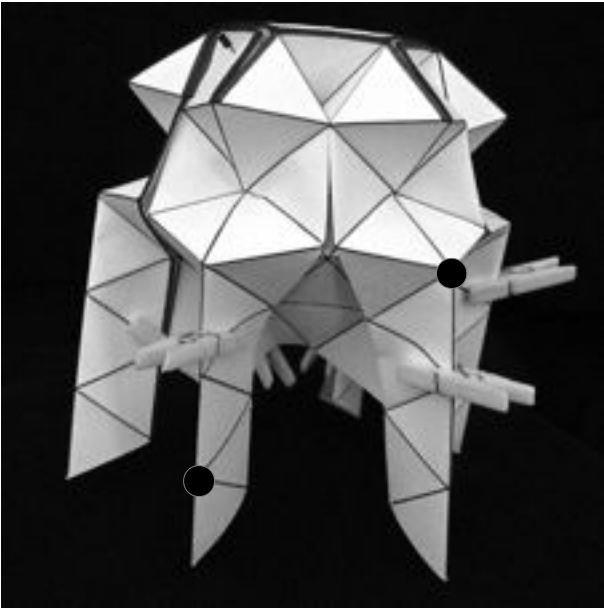
8



Résultat. *Result.*

≡➔ Répéter 5 fois. *Repeat 5 times.*

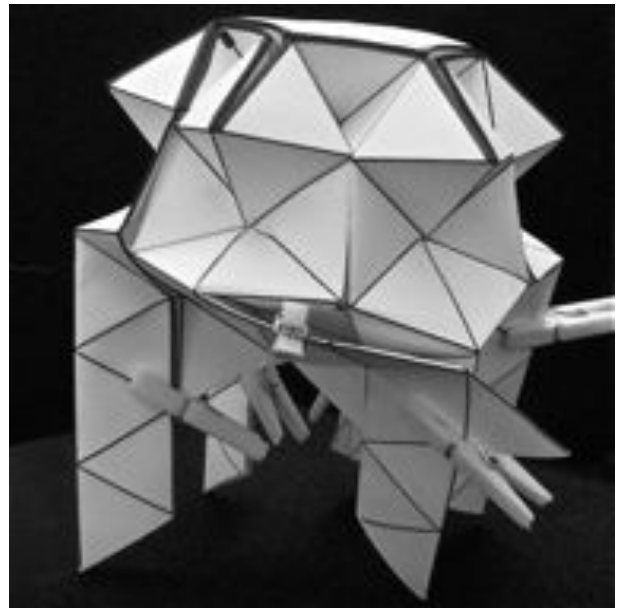
9



Résultat. *Result.*

- Faire coïncider les points. *Align points.*

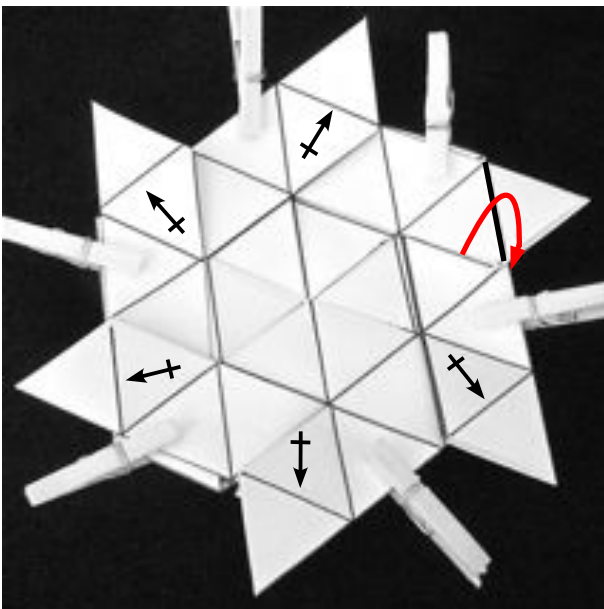
10



Résultat. *Result.*

- ▄▄▄▄ → Répéter 5 fois. *Repeat 5 times.*

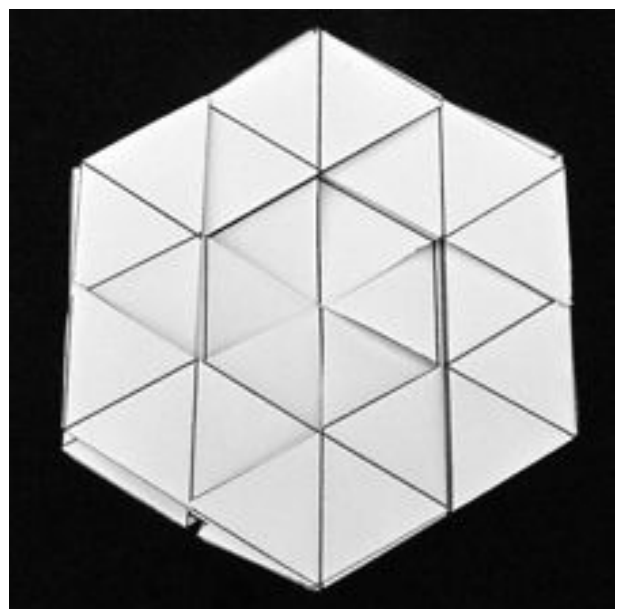
11



Résultat verso. *Result back view.*

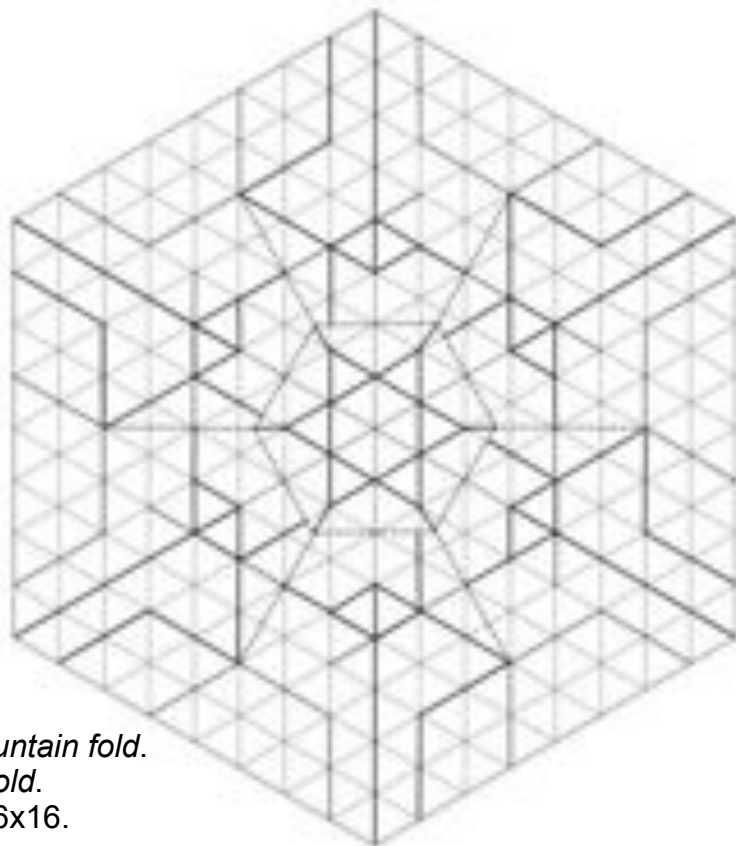
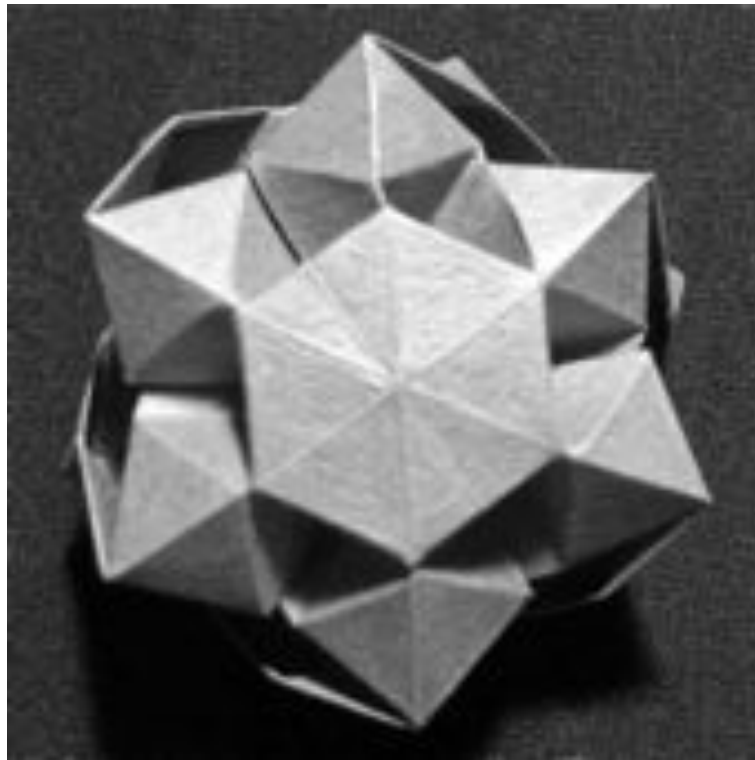
- ↪ Insérer dans la poche *Insert in the pocket.*

12



Résultat final verso. *Result final back view.*

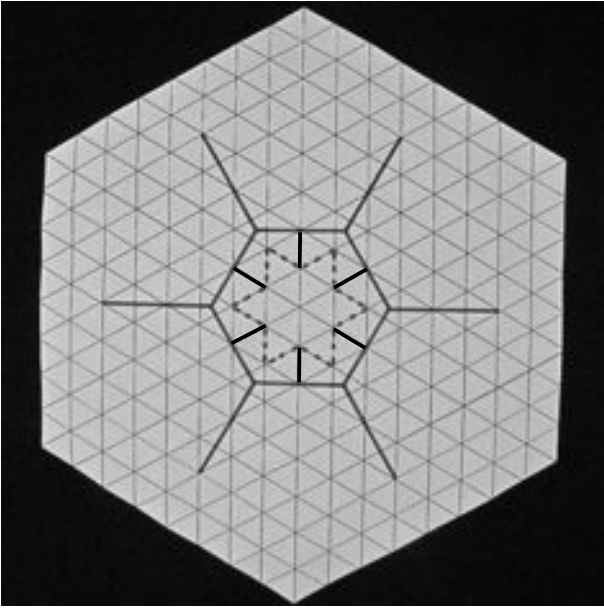
Hoà






—— Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
Grille. *Grid* : 16x16x16.

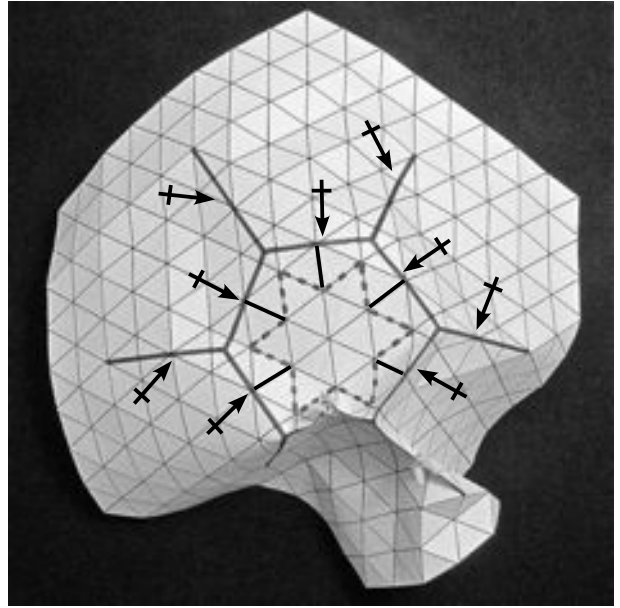
Canevas de plis. *Crease pattern.*

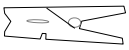

1



-  Couleur dessous. *Color below.*
-  Pli montagne. *Mountain fold.*
-  Pli vallée. *Valley fold.*

2



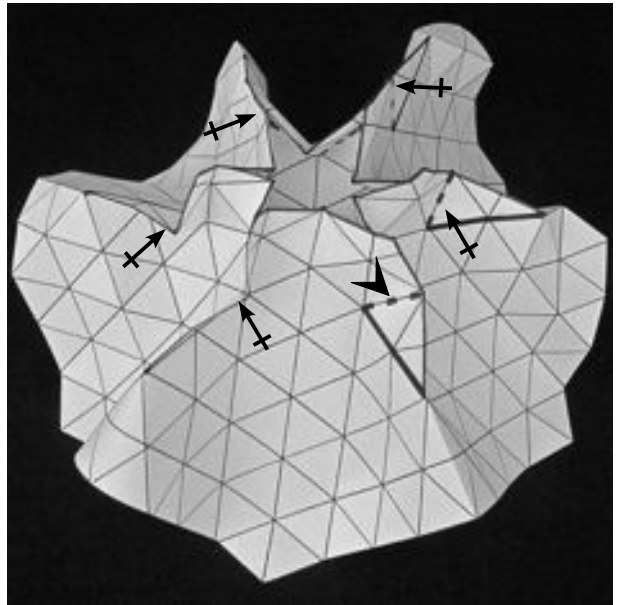
-  Pincer les plis montagnes mettant le motif en volume. *Pinch pleats putting mountains pattern volume.*
-  Répéter. *Repeat.*



3



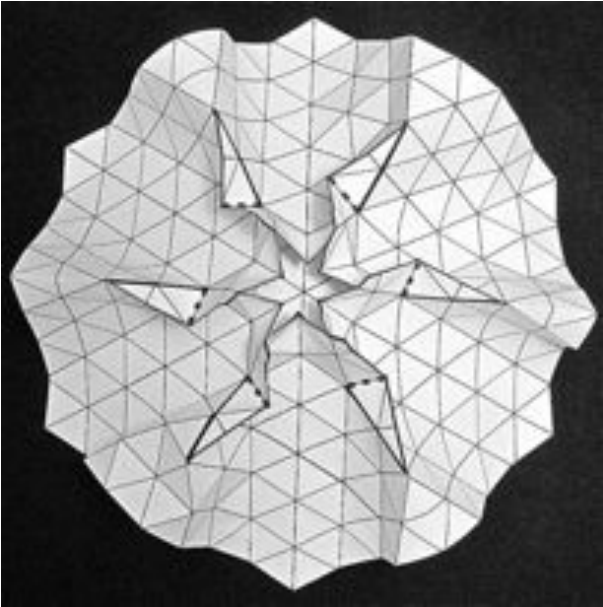
Résultat. *Result.*

4



-  Enfoncement. *Sink.*
-  Répéter. *Repeat.*

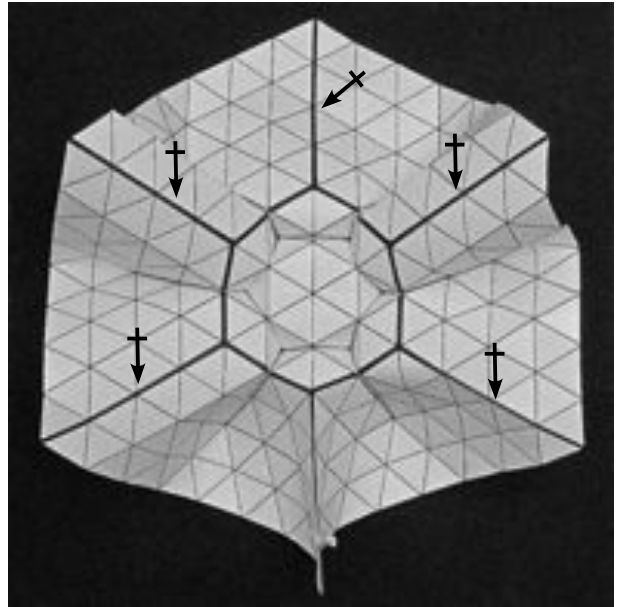
5



Résultat. *Result.*

↻ Retourner. *Return.*

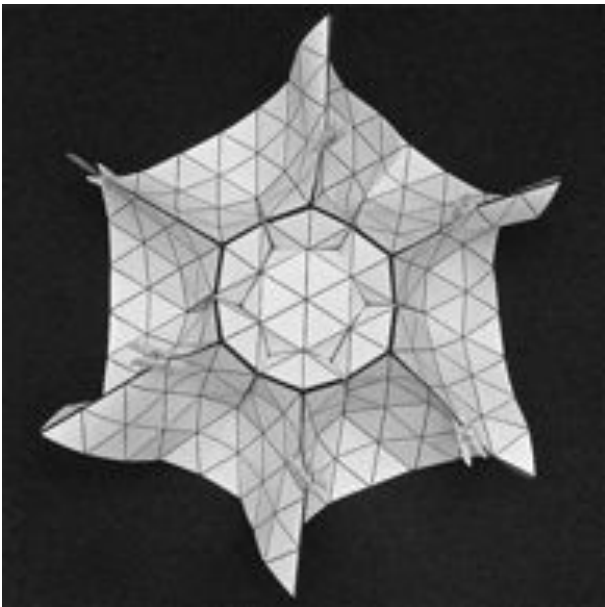
6



 Pincer. *Pinch.*

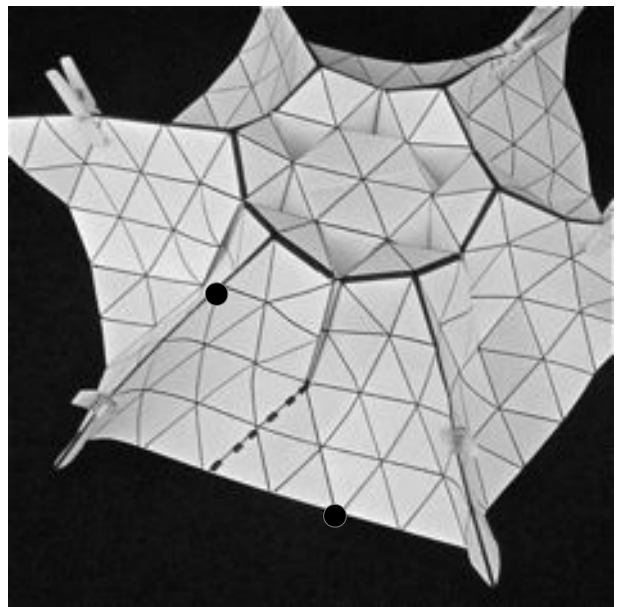
 Répéter. *Repeat.*

7



Résultat. *Result.*

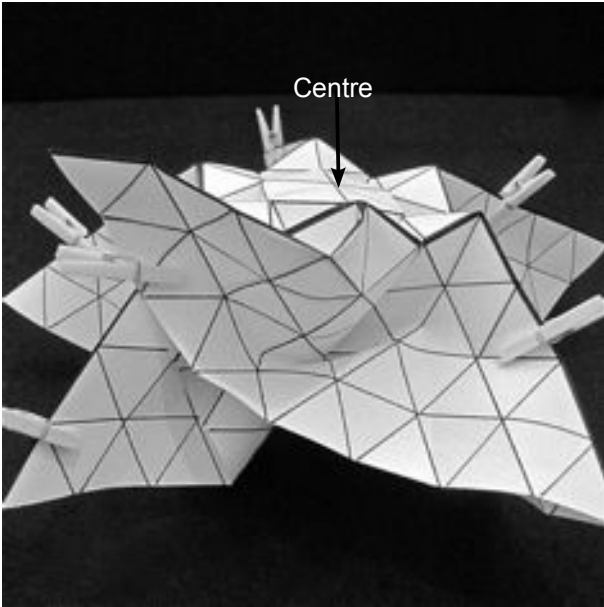
8



● Faire coïncider les points. *Align points.*

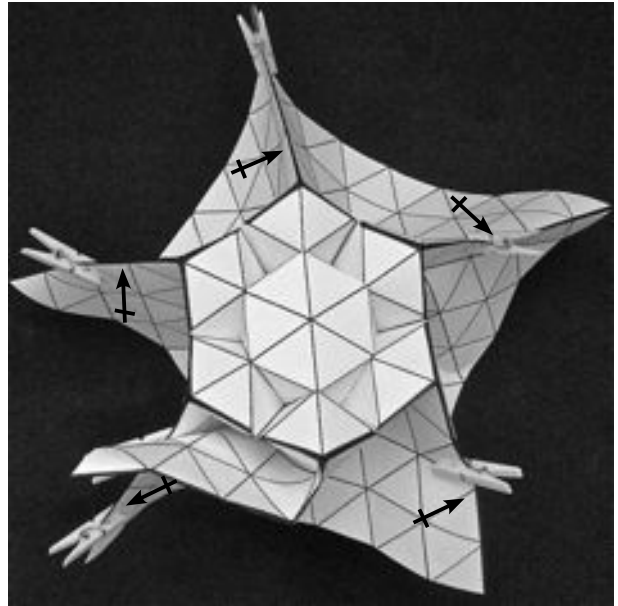
- - - - - Pli vallée. *Valley fold.*

9



Résultat vue de face. *Result front view.*

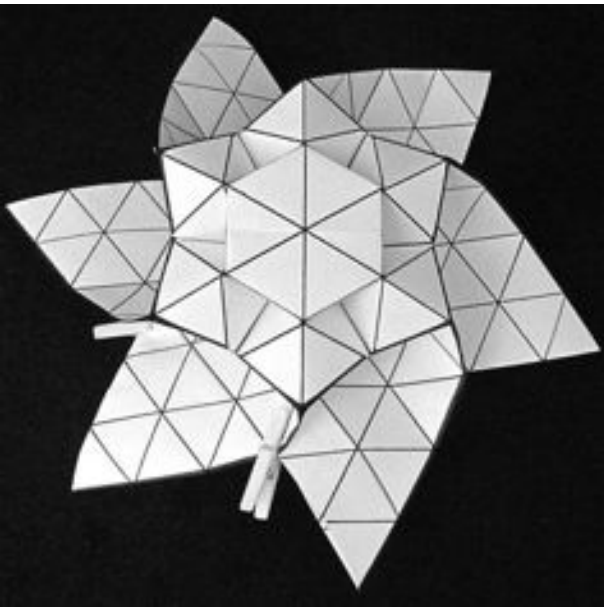
10



Résultat vue de haut. *Result top view.*

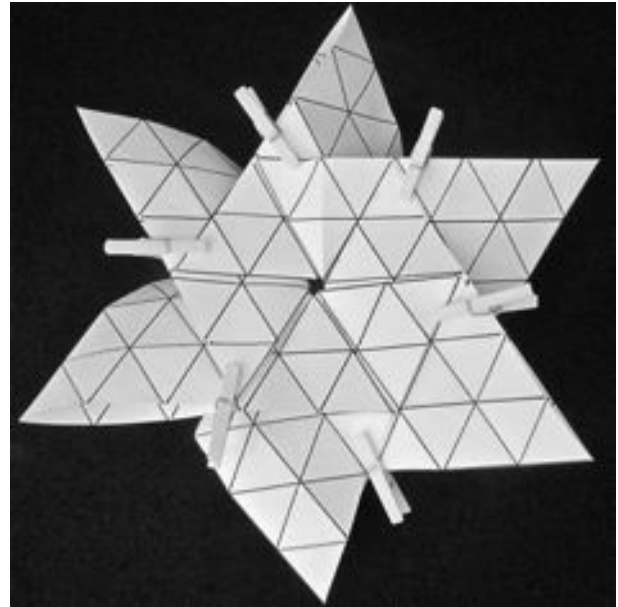
↔ Répéter. *Repeat.*

11



Résultat recto. *Result front view.*

12



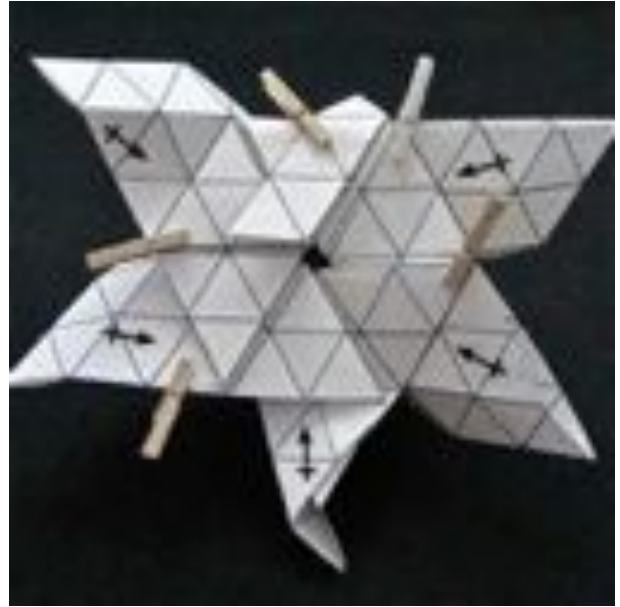
Résultat verso. *Result back.*

13



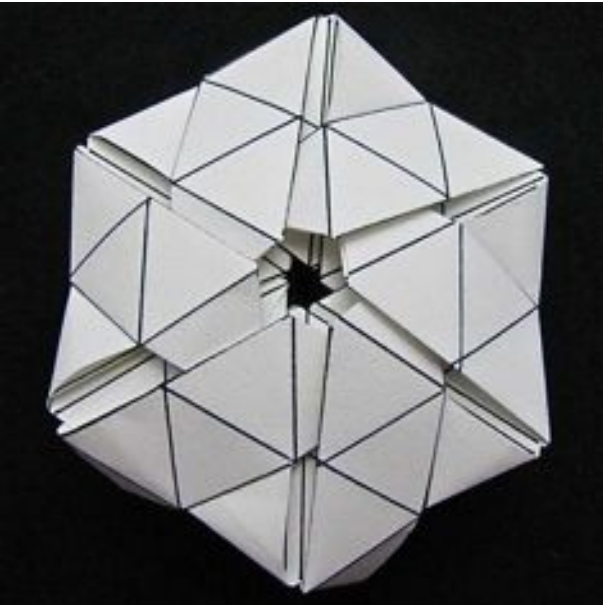
— Pli montagne. *Mountain fold.*
 - - - - - Pli vallée. *Valley fold.*

14



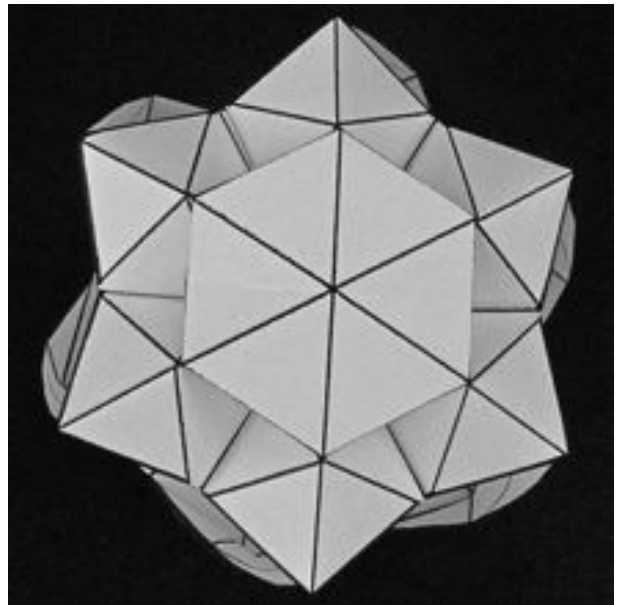
Résultat. *Result.*

15



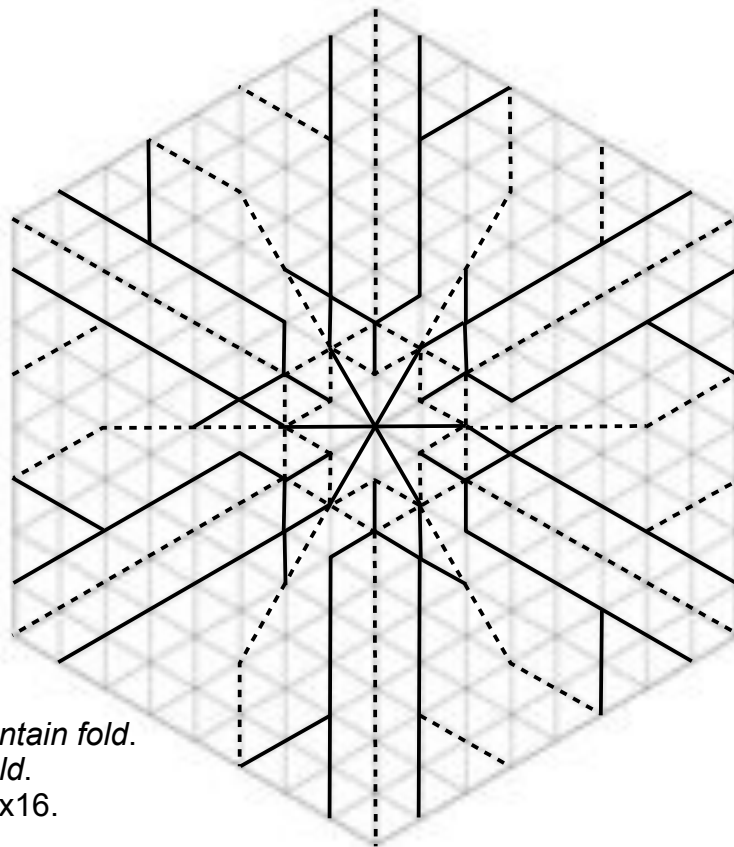
Résultat verso. *Result back.*

16



Résultat recto. *Result front view.*

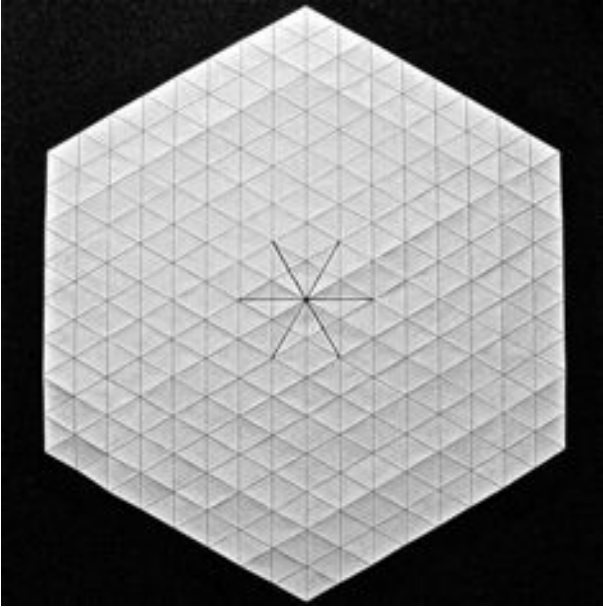
Kembang



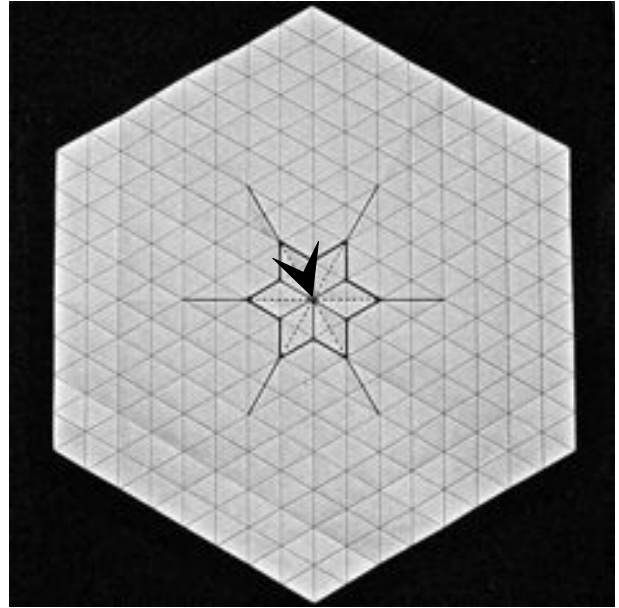
- Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*

Canevas de plis. *Crease pattern.*

1



2



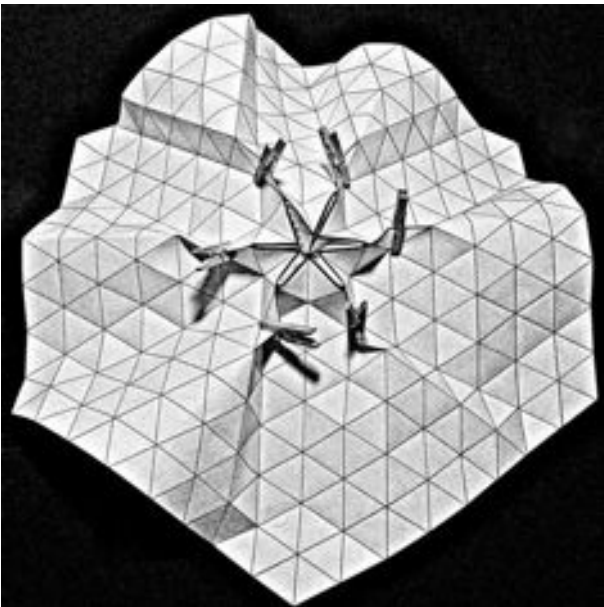
● Couleur dessus. *Color top.*

— Pli montagne. *Mountain fold.*

↺ Retourner. *Return.*

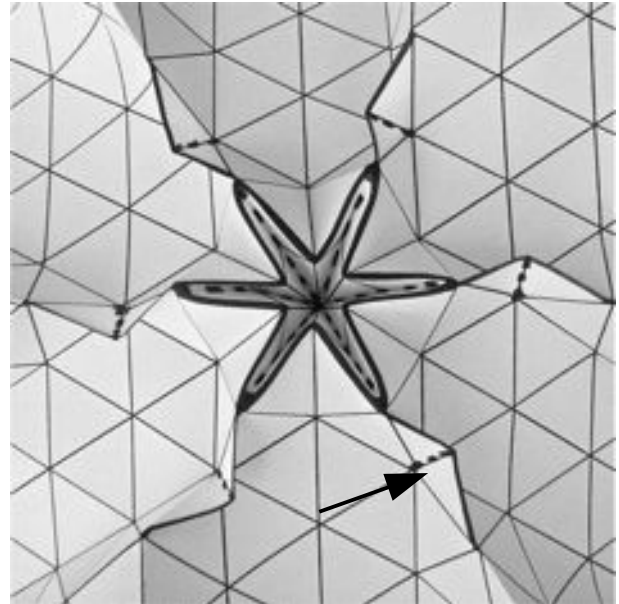
▼ Enfoncement. *Sink.*

3



Résultat. *Result.*

4

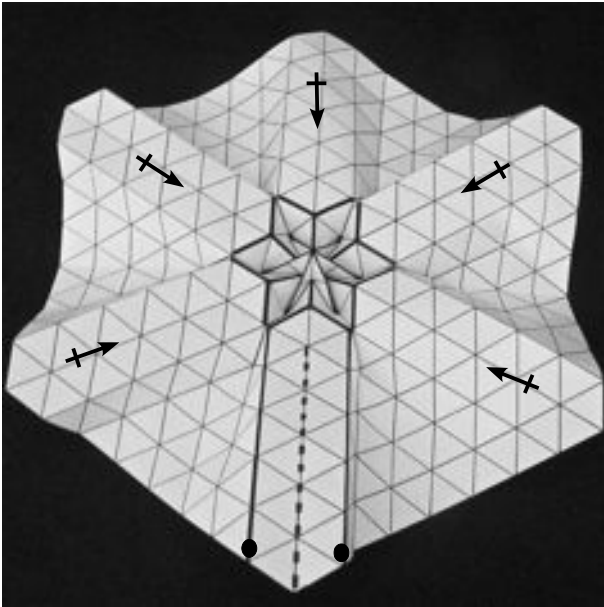


Zoom du centre. *Zoom center.*

→ Coucher le pli à son maximum. *Sunset fold at its maximum.*

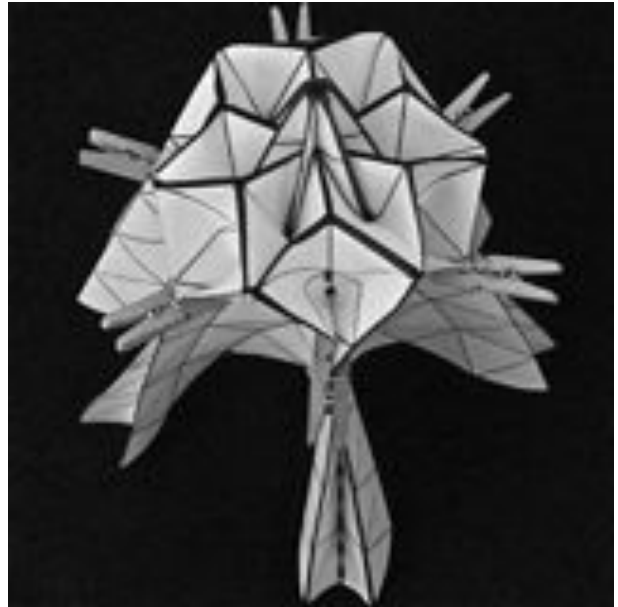
↺ Retourner. *Return.*

5



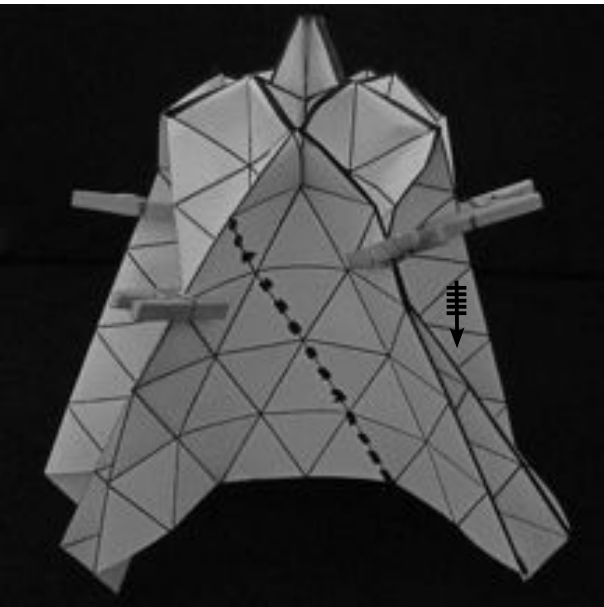
- Pli montagne. *Mountain fold.*
- Pli vallée. *Valley fold.*
- Faire coïncider les points. *Align points.*
- ➔ Répéter. *Repeat.*

6



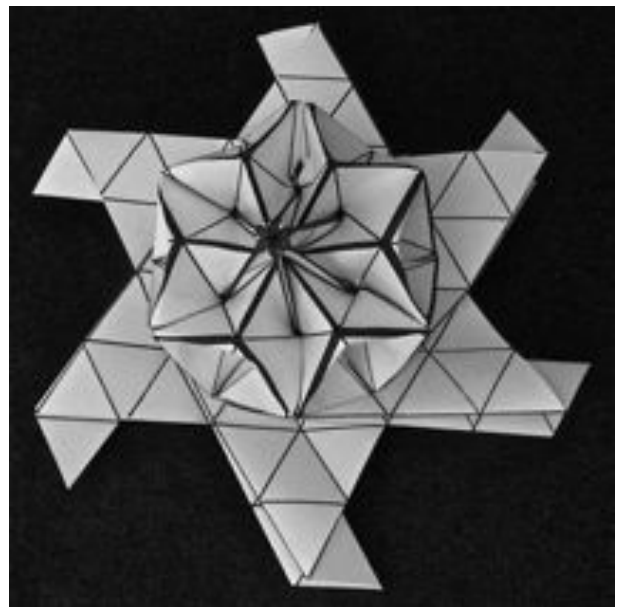
Résultat. *Result.*

7



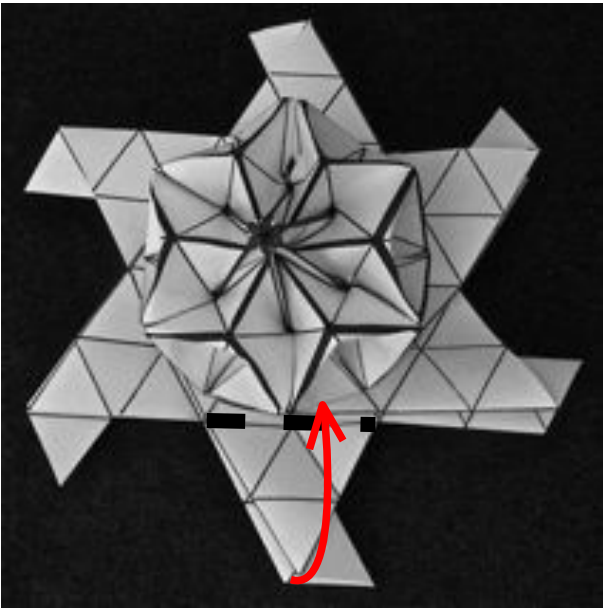
- Pli vallée. *Valley fold.*
- ≡➔ Répéter 5 fois. *Repeat 5 times.*

8



Résultat. *Result.*

9

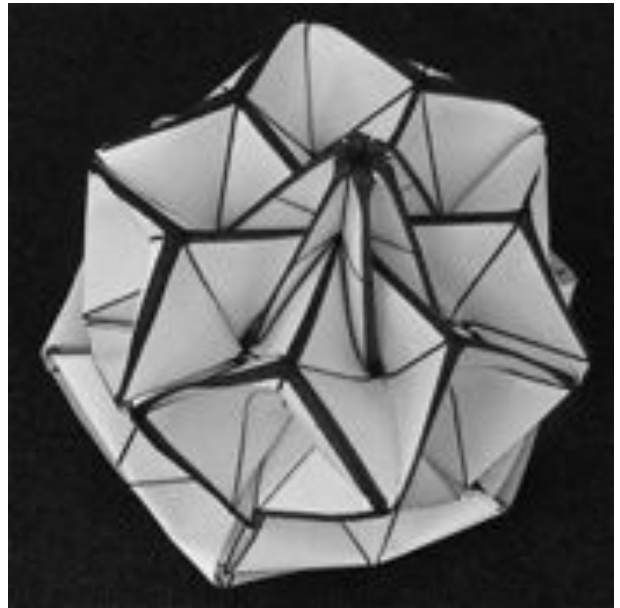


----- Pli vallée. *Valley fold.*



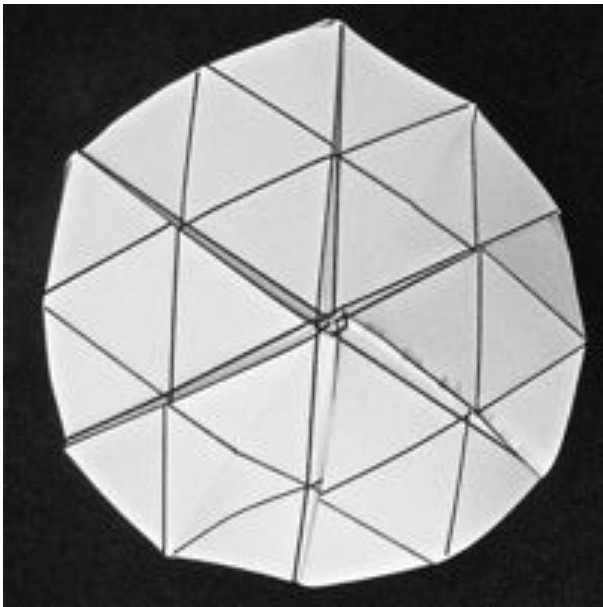
Insérer dans la poche.
Insert in the pocket.

10



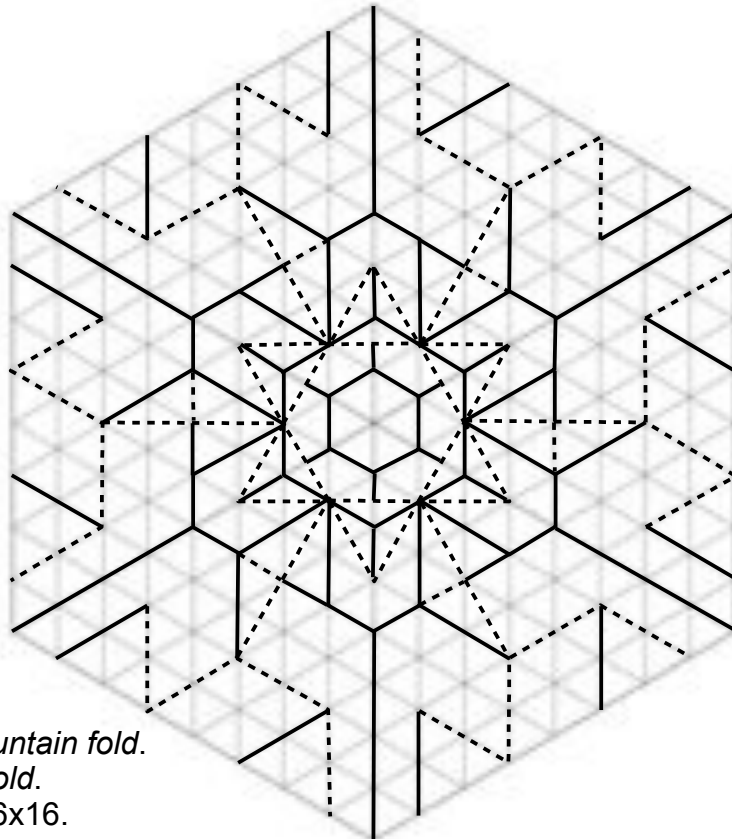
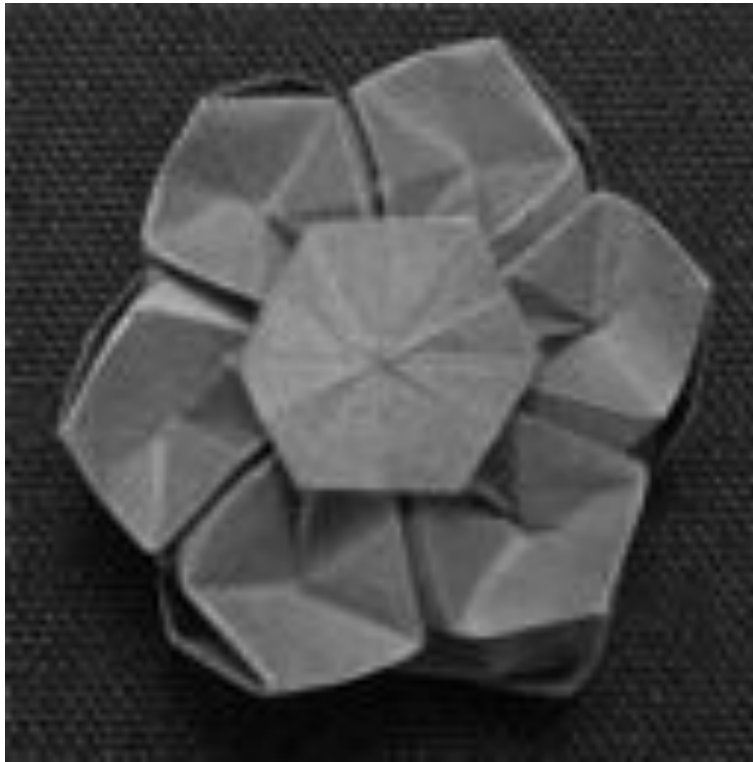
Résultat recto. *Result front view.*

11



Résultat verso. *Result back.*

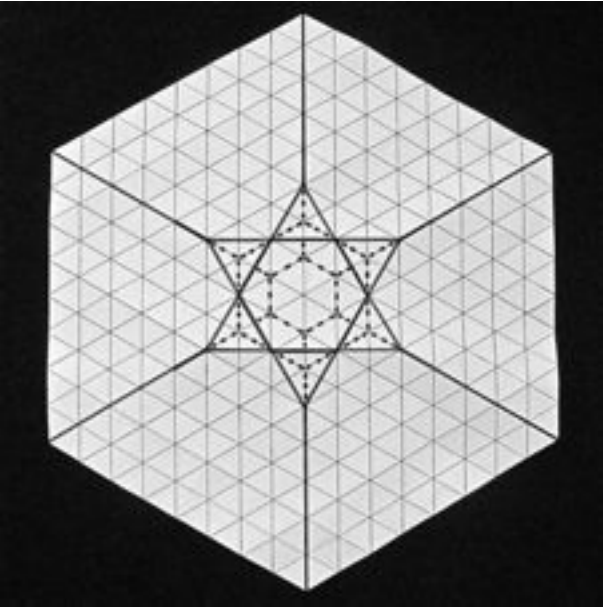
Kukka






— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid : 16x16x16.*

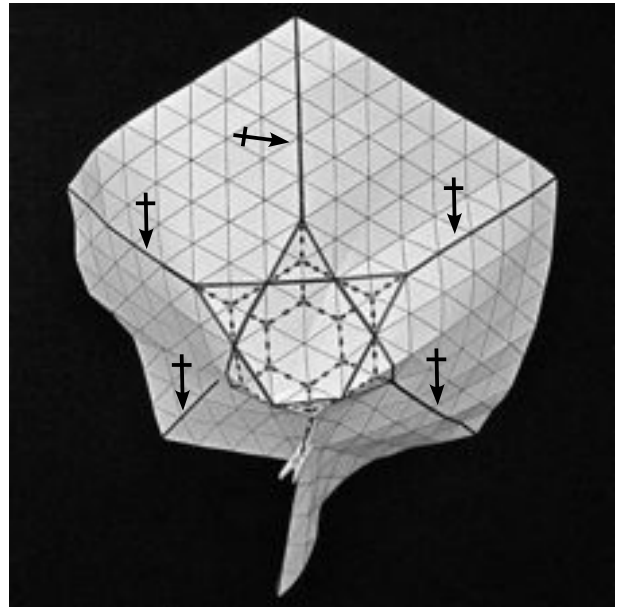
Canevas de plis. *Crease pattern.*

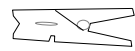
1



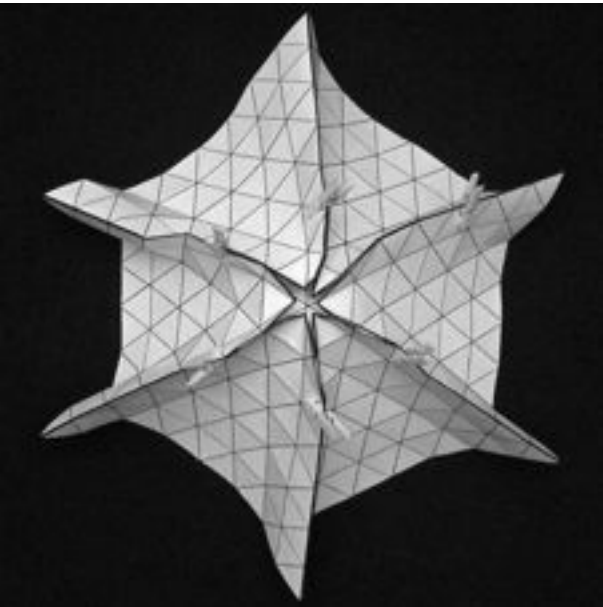
-  Couleur dessous. *Color below.*
 -  Pli montagne. *Mountain fold.*
 -  Pli vallée. *Valley fold.*
- Grille. *Grid* : 16x16x16.

2



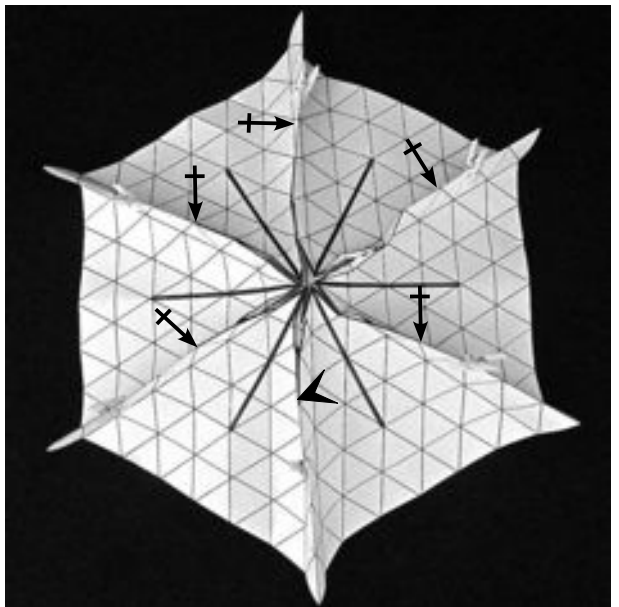
-  Pincer les plis montagnes mettant en 3D le centre. *Pinch mountain folds featuring 3D center.*
- ➔ Répéter. *Repeat.*

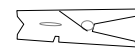


3



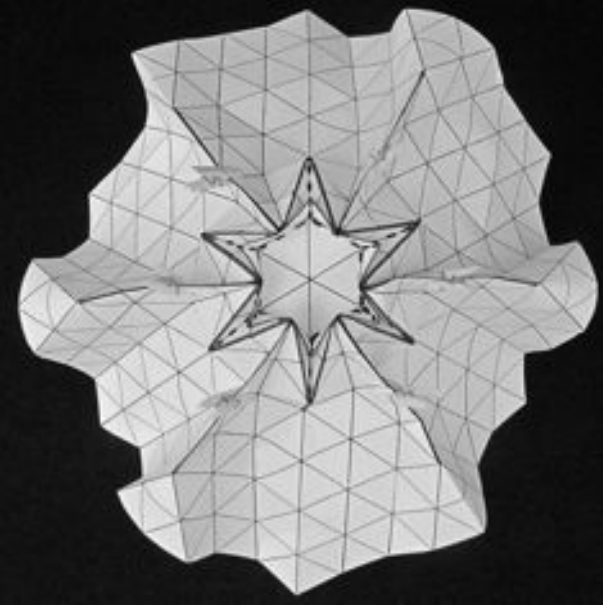
Résultat. *Result.*

4



-  Pincer les plis montagnes. *Pinch mountain folds.*
-  Pli montagne. *Mountain fold.*
-  Enfoncement. *Sink.*
- ➔ Répéter. *Repeat.*

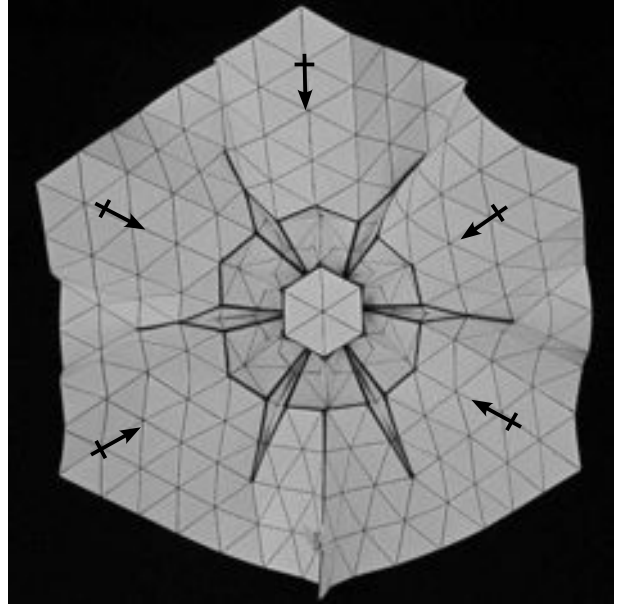
5



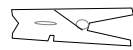
Résultat. *Result.*

↺ Retourner. *Return.*

6

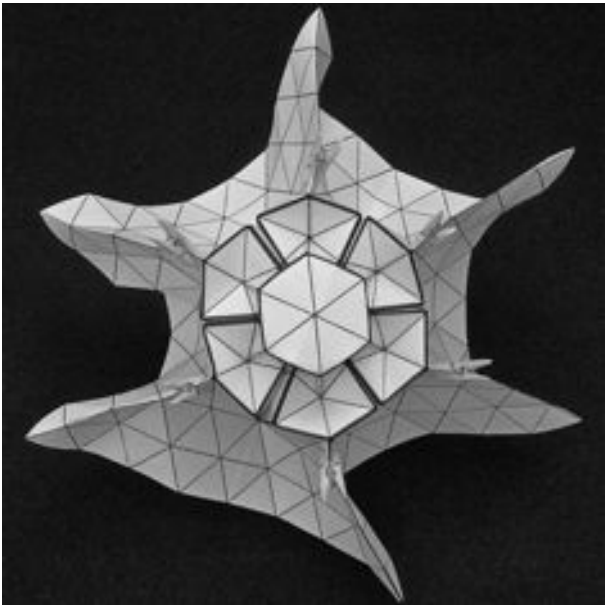


— Pli montagne. *Mountain fold.*

 Pincer les plis montagnes, pinch mountain folds.

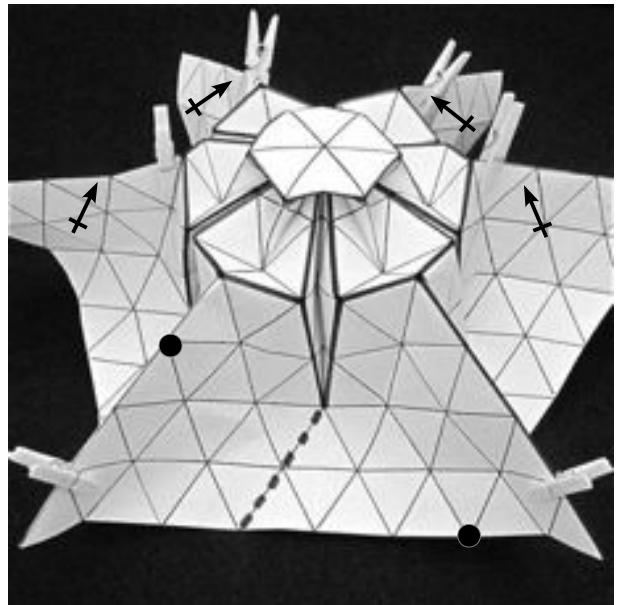
↗ Répéter. *Repeat.*

7



Résultat. *Result.*

8

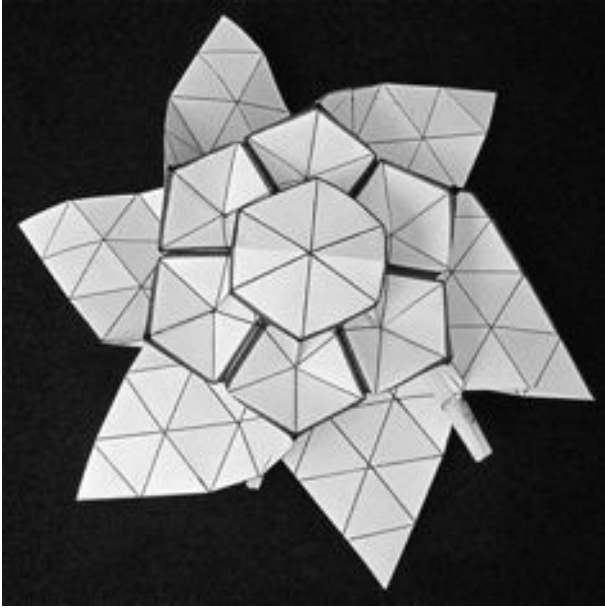


- - - - - Pli vallée. *Valley fold.*

● Faire coïncider les points. *Align points.*

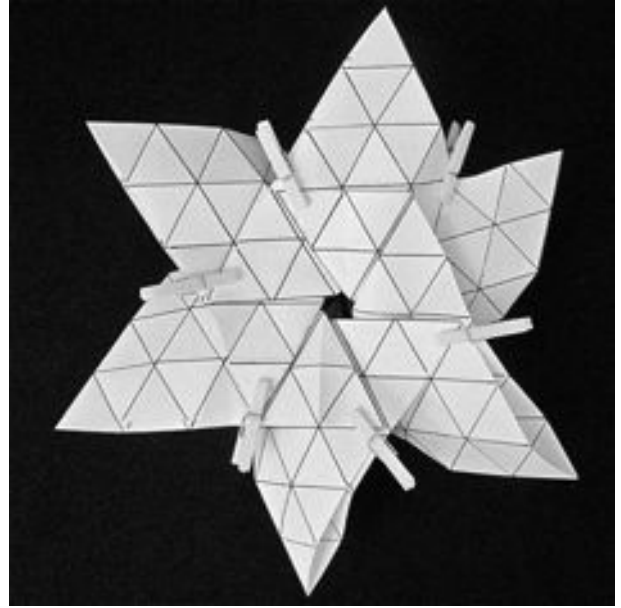
↗ Répéter. *Repeat.*

9



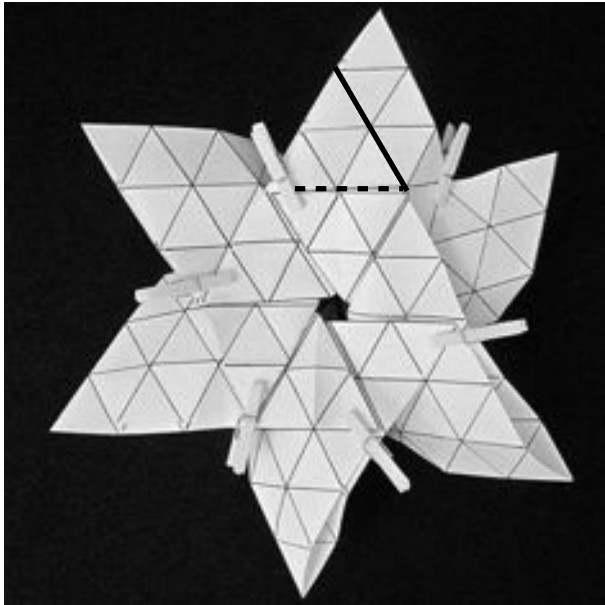
Résultat verso. *Result back.*

10



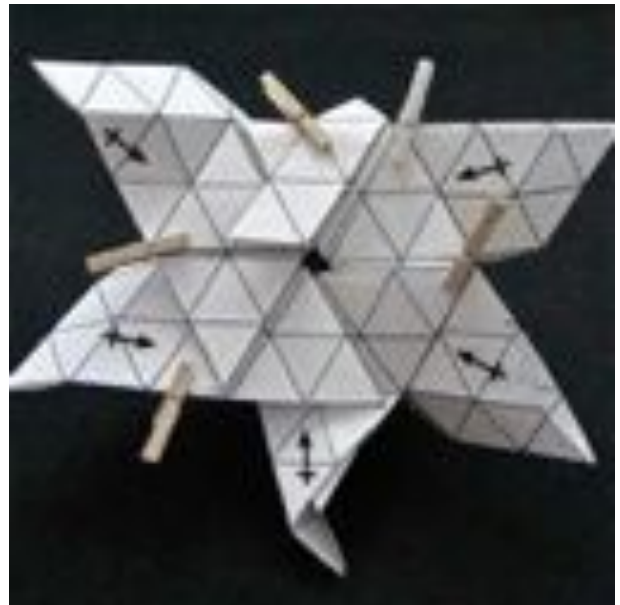
Résultat recto. *Result front view.*

11



—— Pli montagne. *Mountain fold.*
 - - - - Pli vallée. *Valley fold.*

12



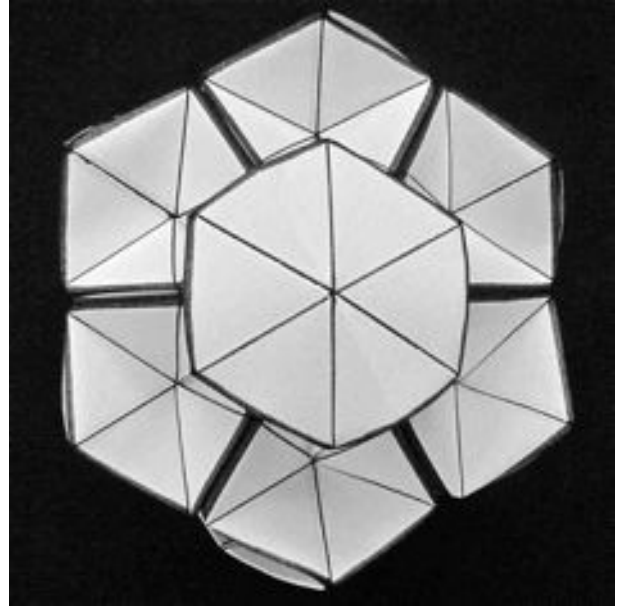
Résultat. *Result.*

13



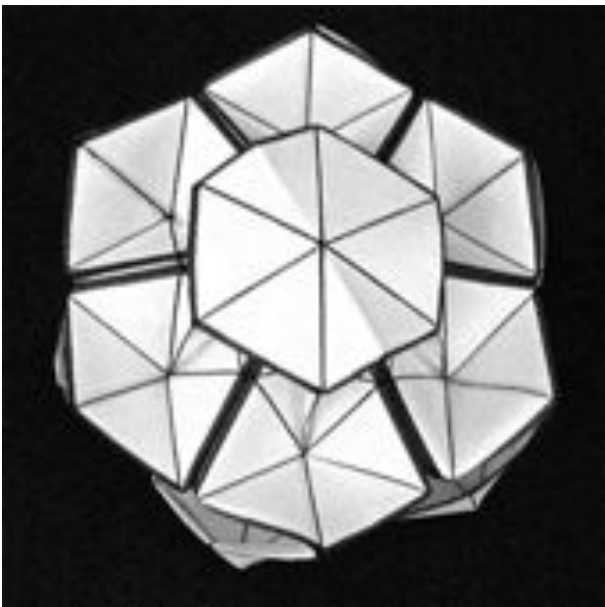
Résultat verso. Result back.

14



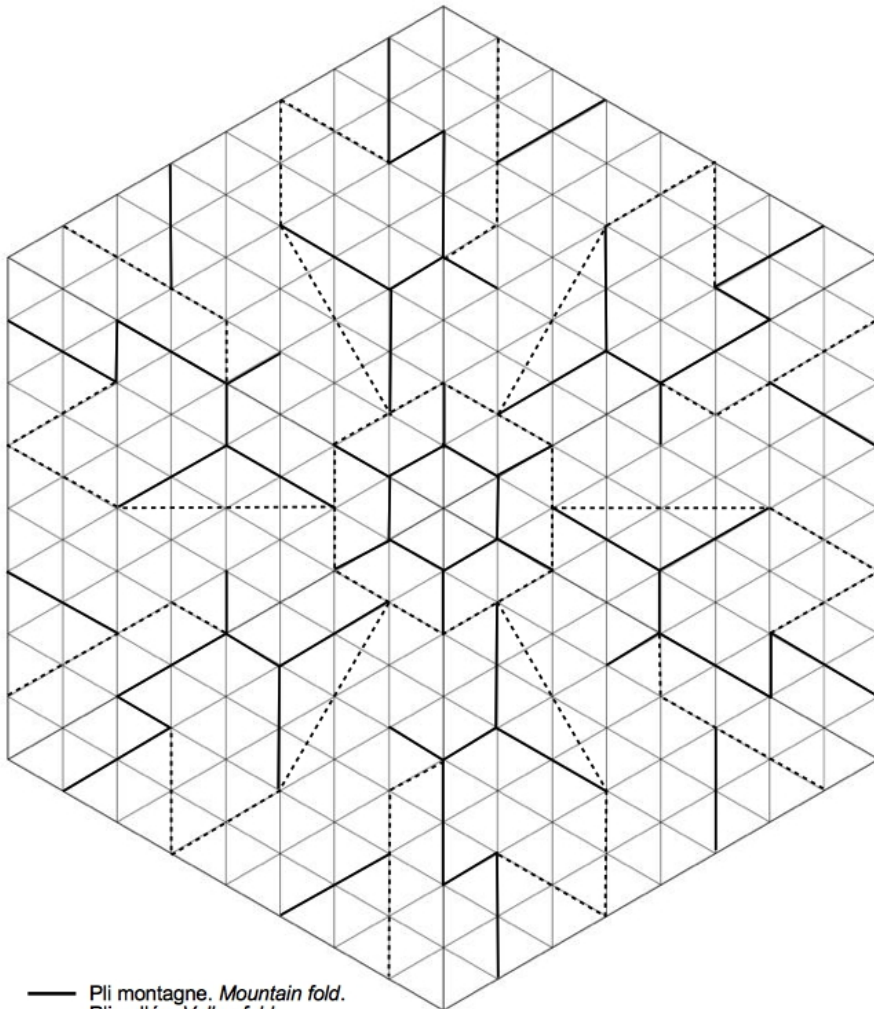
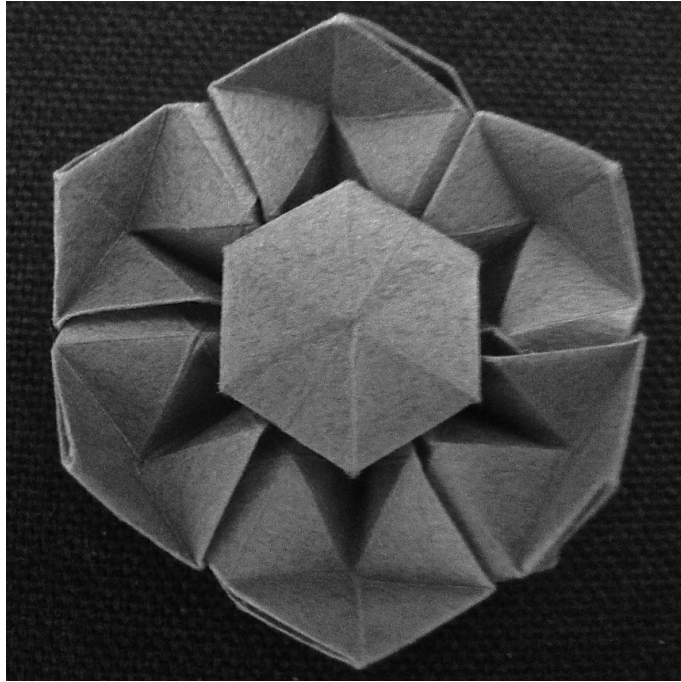
Résultat recto. Result front view.

15



Autre vue, other view.

Variante Kukka

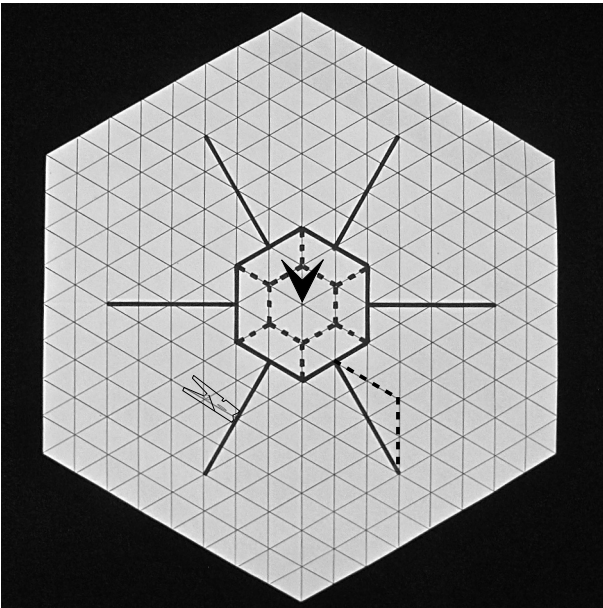



— Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*


Canevas de plis. *Crease pattern.*

Variation Kukka

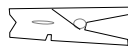
1




 Couleur dessous. *Color below.*

 Pli montagne. *Mountain fold.*

 Pli vallée. *Valley fold.*

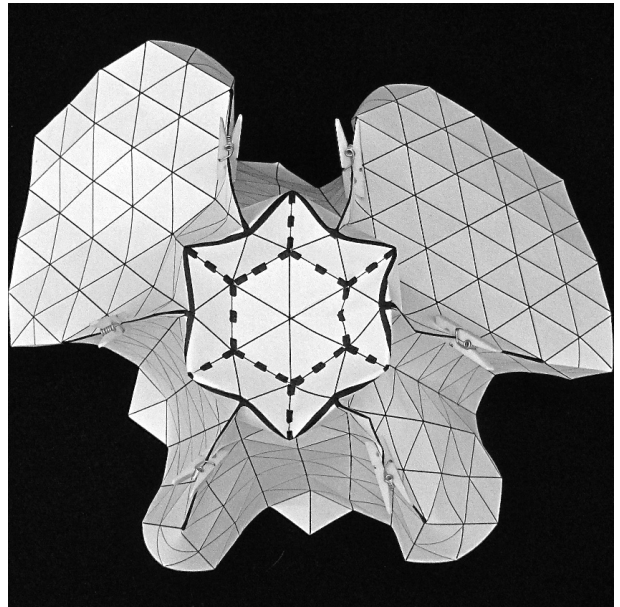
 Pincer les plis montagnes, et

 Enfacement. *Sink.*


mettant en 3D le centre.

*Pinch mountain folds featuring
3D center.*

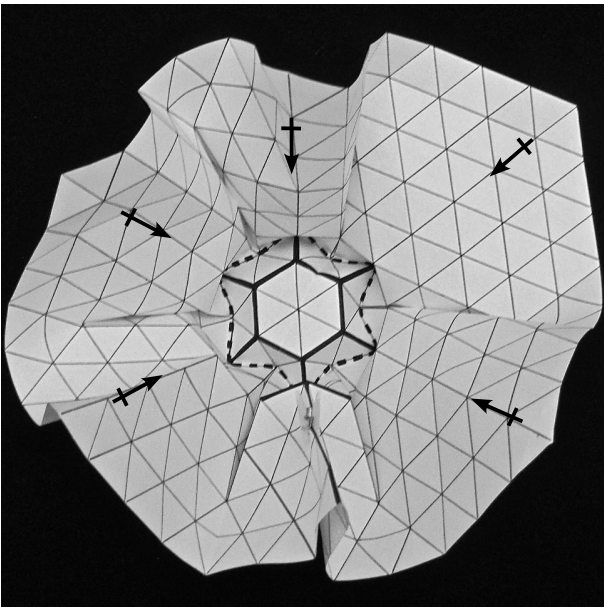
2

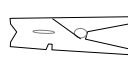


Résultat. *Result.*

 Retourner. *Return.*

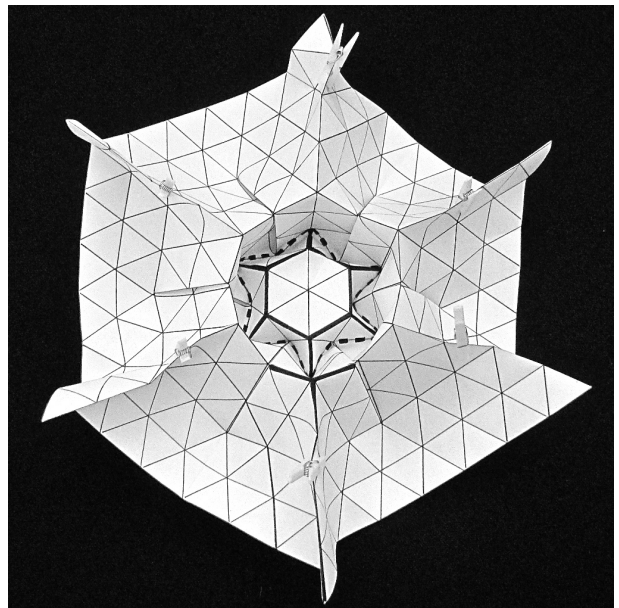
3




 Pincer le pli montagne.
Pinch the mountain fold.

 Répéter. *Repeat.*

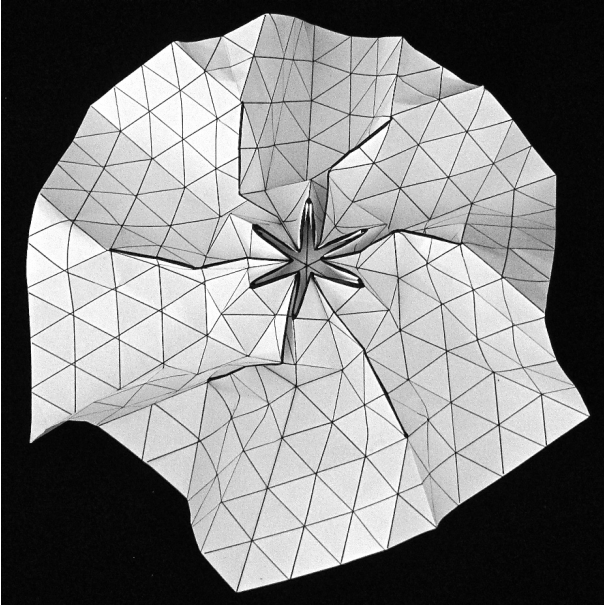
4



Résultat. *Result.*

 Retourner. *Return.*

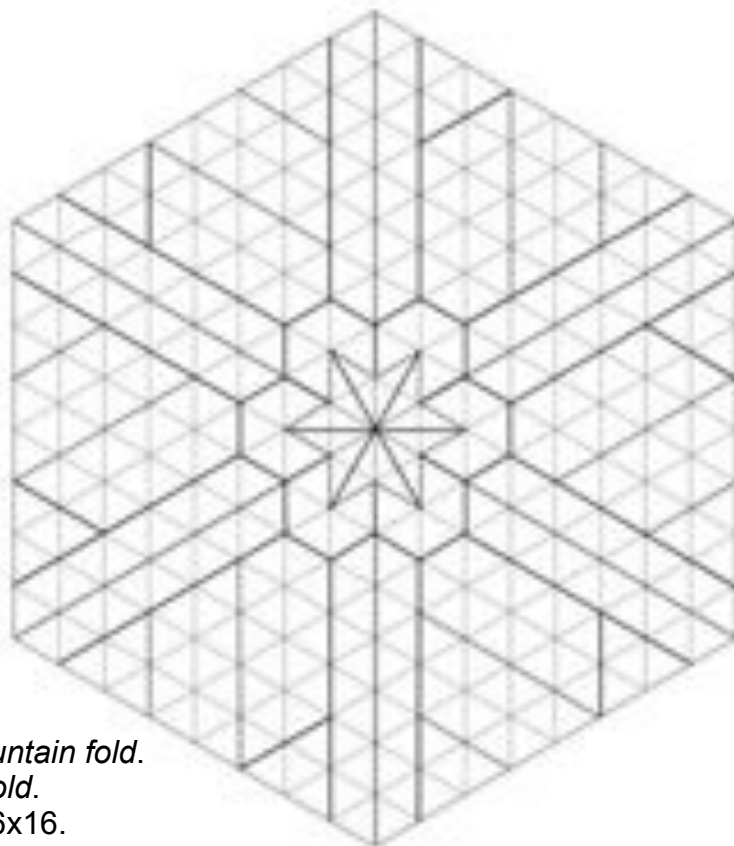
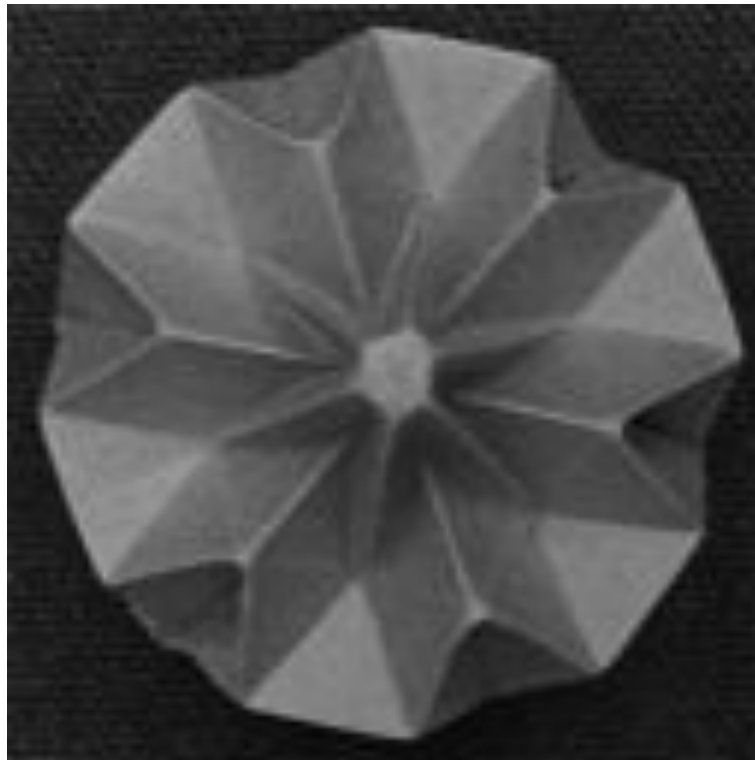
5



Bien resserrer le centre en poussant
légèrement dessus.
Tighten the center push
slightly above.

Pour la fermeture reprendre à la figure 8
de Kukka.
To resume the closure in Figure 8
of Kukka.

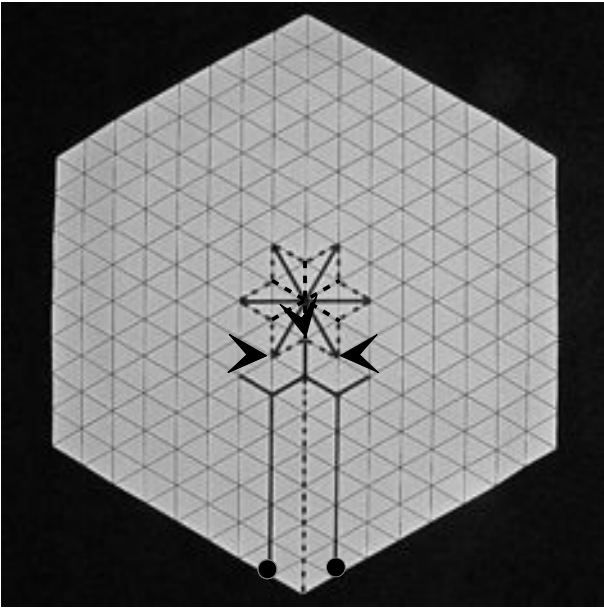
Kwiat



—— Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
Grille. *Grid* : 16x16x16.

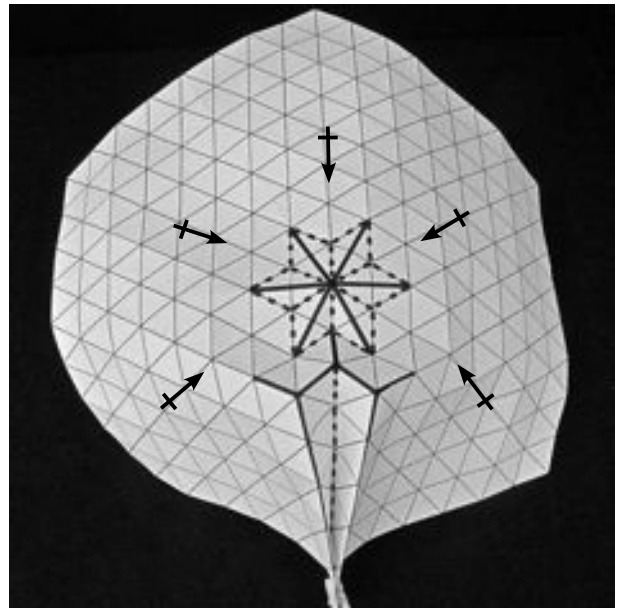
Canevas de plis. *Crease pattern.*

1



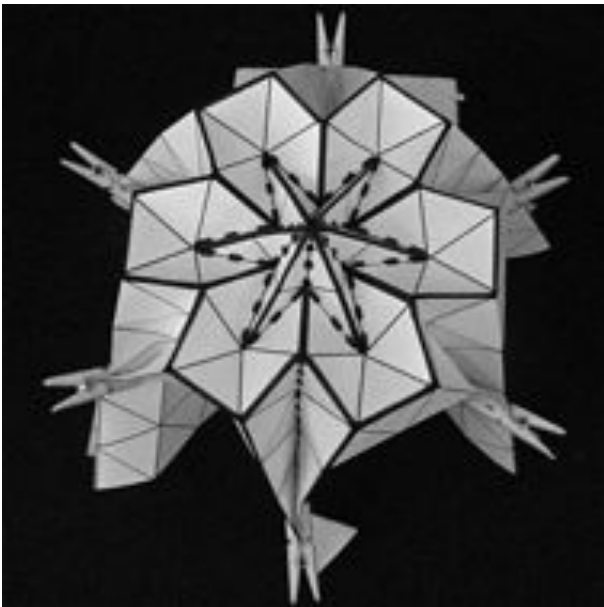
- Couleur dessus. *Color top.*
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*
- ▼ Enfoncement. *Sink.*
- Faire coïncider les points. *Align points.*

2



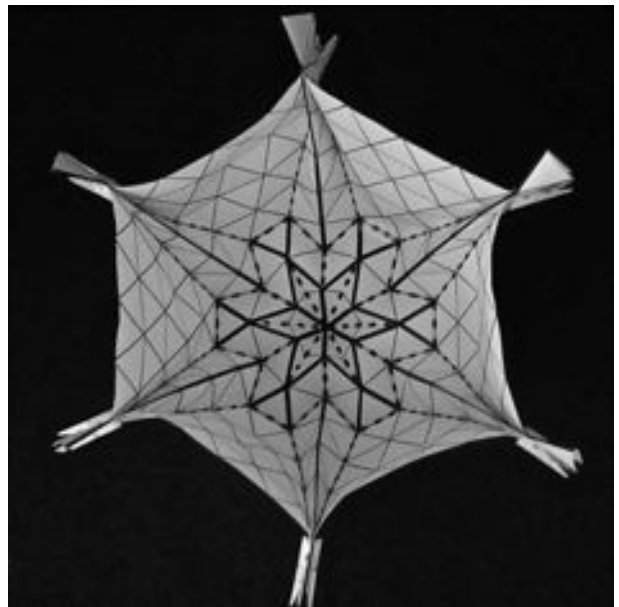
- Résultat. *Result.*
- + → Répéter. *Repeat.*

3



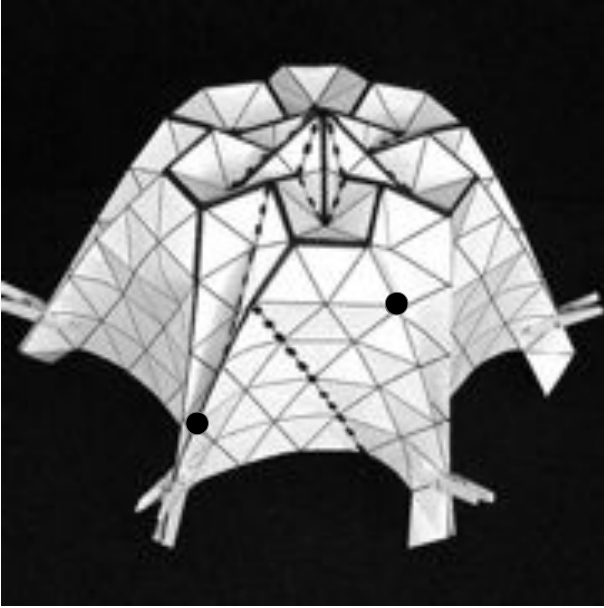
Résultat. *Result.*

4



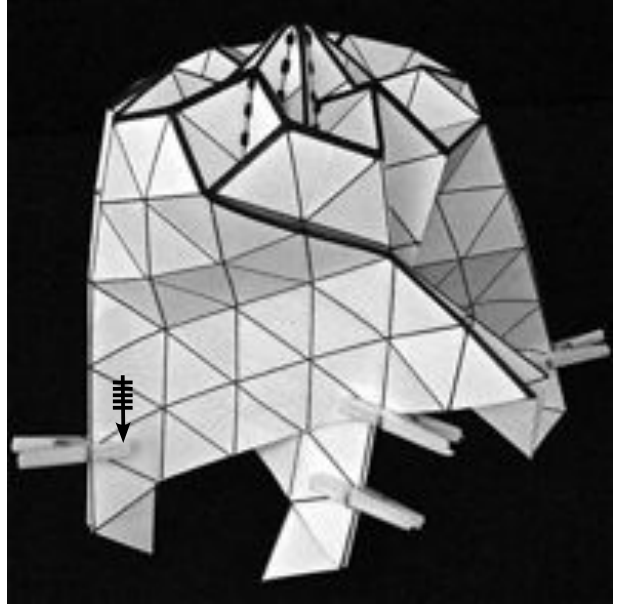
Vue du verso. *Back of view.*

5



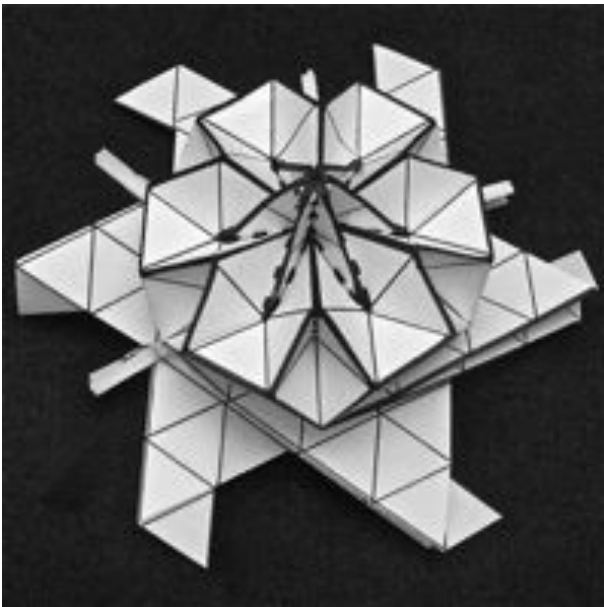
● Faire coïncider les points. *Align points.*
 - - - - - Pli vallée. *Valley fold.*

6



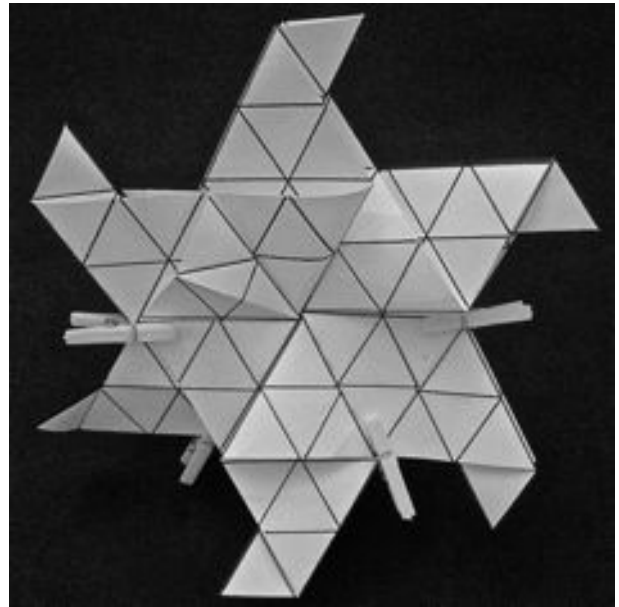
Résultat. *Result.*
 ≡➔ Répéter 5 fois. *Repeat 5 times.*

7



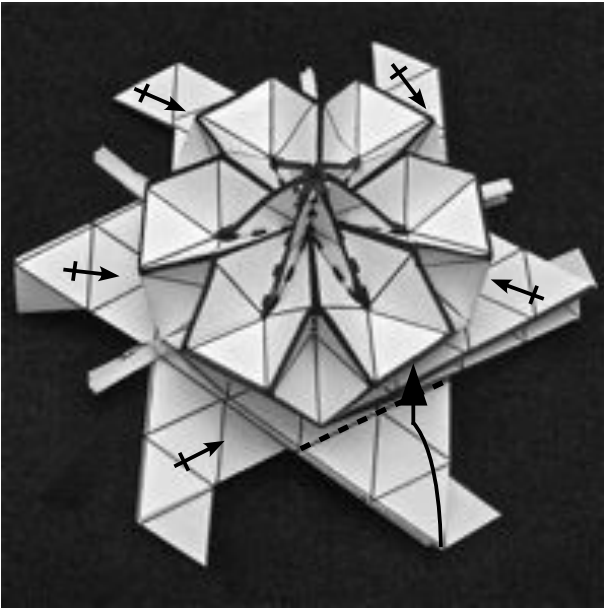
Résultat. *Result.*

8



Vue du verso. *Back of view.*
 ↶ Retourner. *Return.*

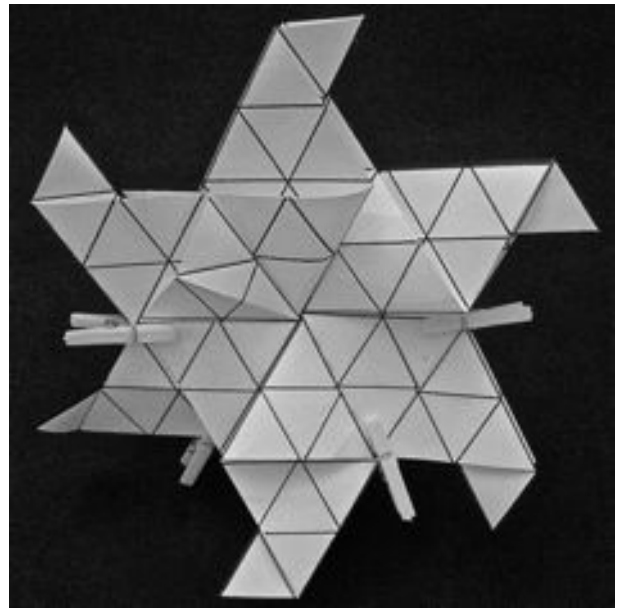
9



➔ Glisser toutes les épaisseurs dans la poche. *Slide all thicknesses in the pocket.*

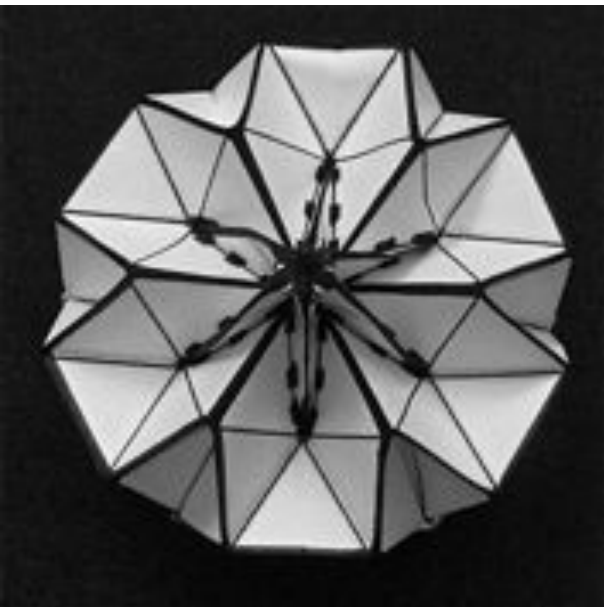
➔ Répéter. *Repeat.*

10



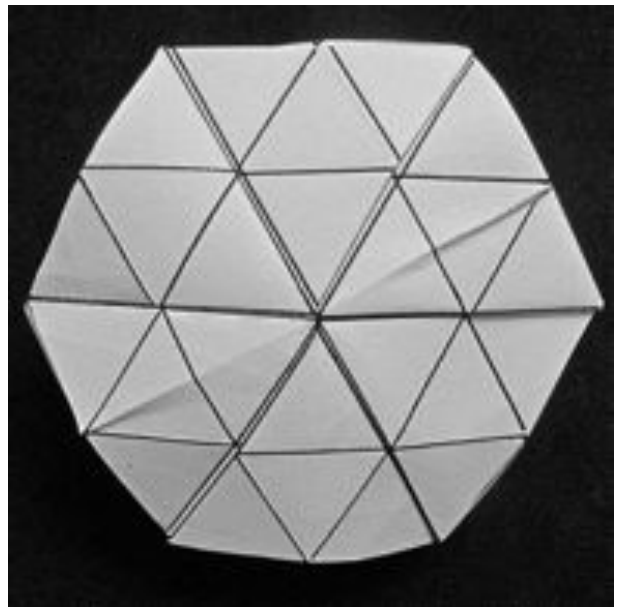
Vue du verso. *Back of view.*

11



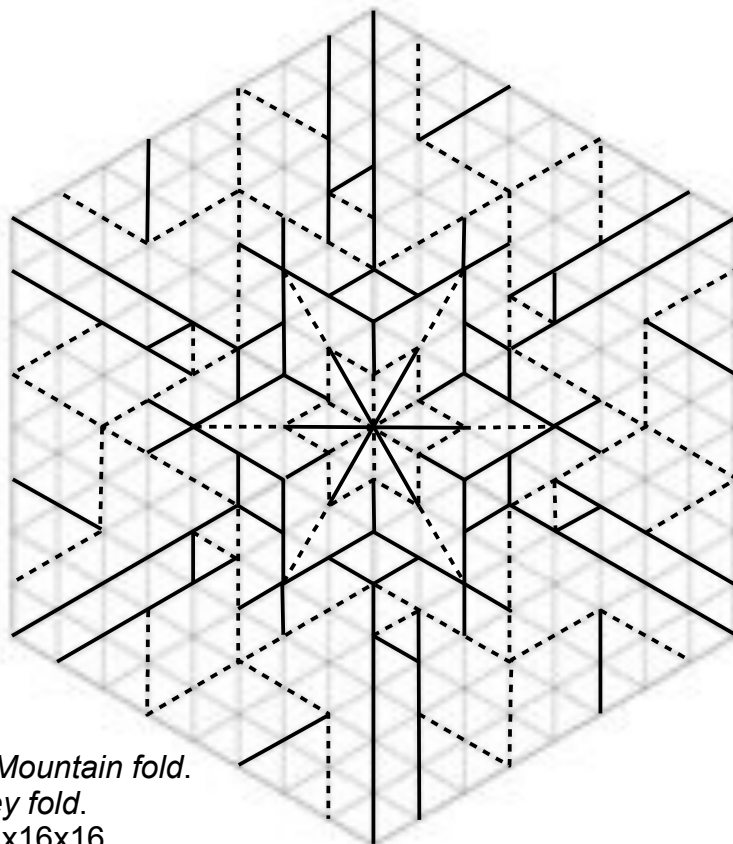
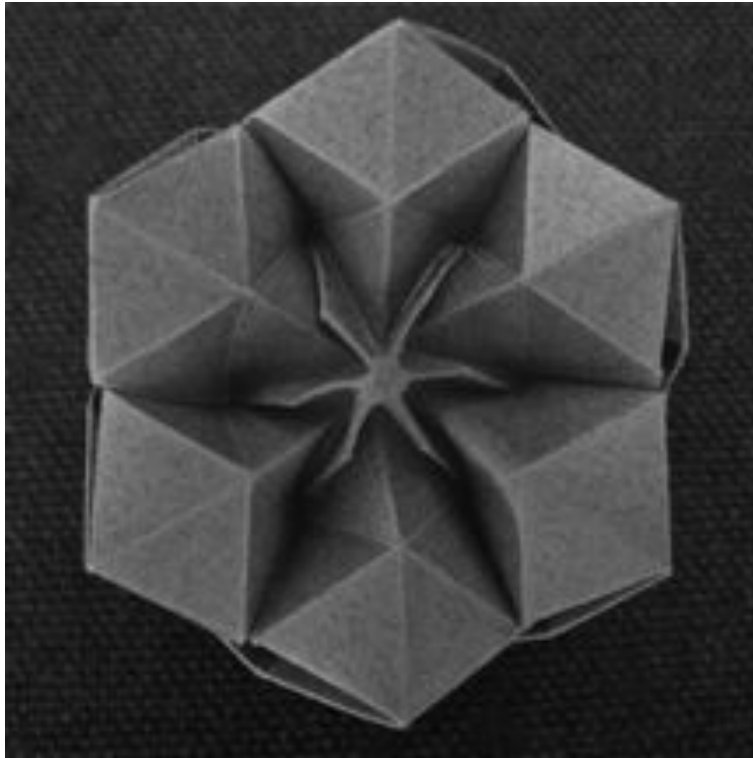
Résultat recto. *Result front view.*

12



Résultat verso. *Result back.*

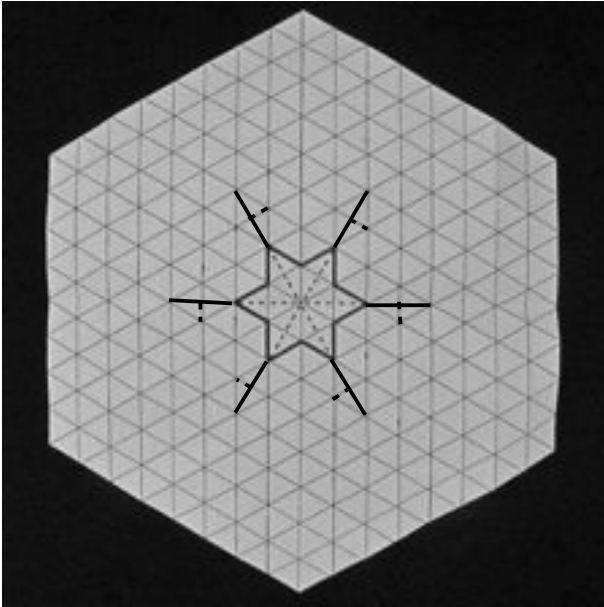
Lili




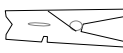


— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid : 16x16x16.*

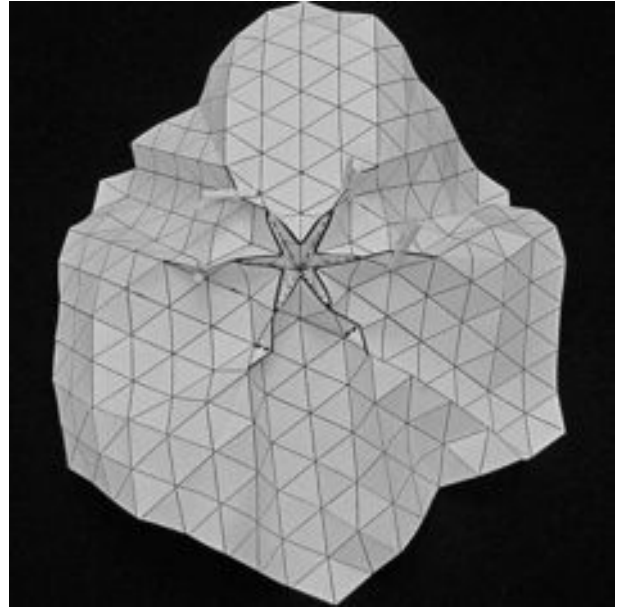
Canevas de plis. *Crease pattern.*

1



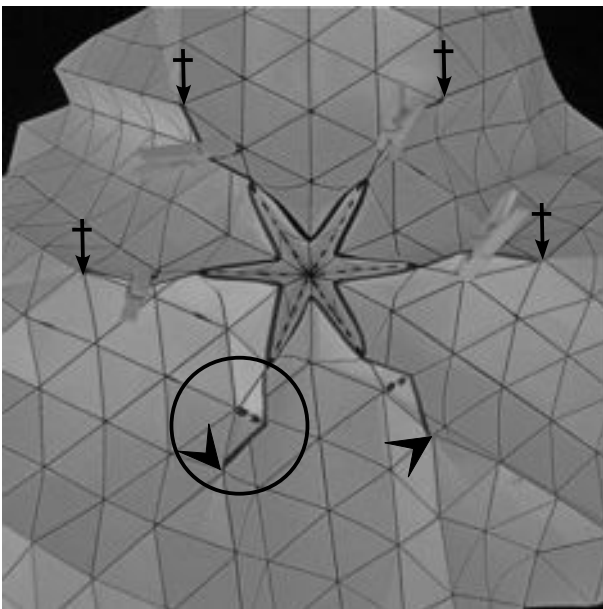
-  Couleur dessous. *Color below.*
-  Pli montagne. *Mountain fold.*
-  Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*
-  Pincer les plis montagnes. *Pinch mountain folds.*

2




Résultat. *Result.*

3

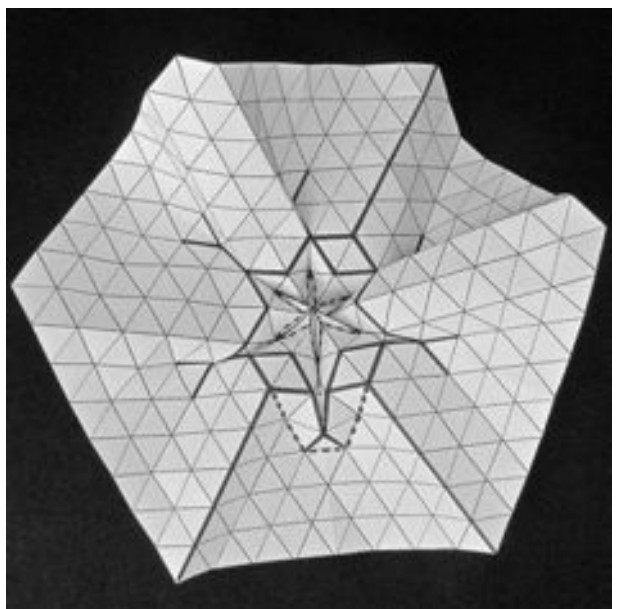


Zoom du centre. *Zoom center.*
 Garder cette zone le plus serré possible.
Keep that area as tightly as possible.

✓ L'enfoncement et  retourner se font simultanément. Sink and return are done simultaneously.

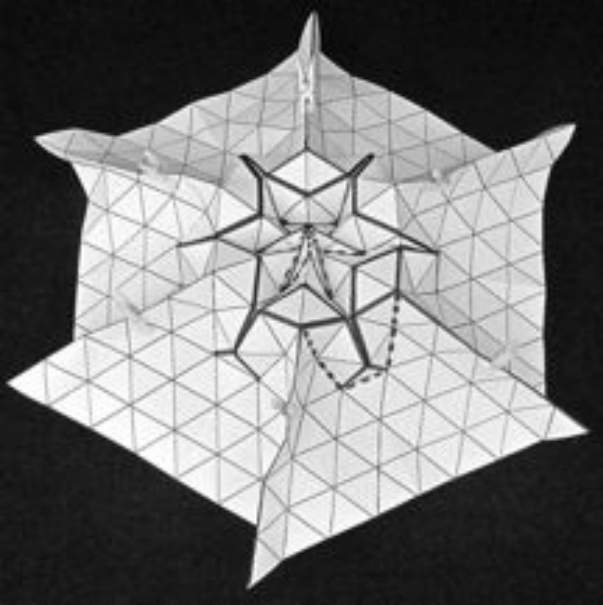
+> Répéter. *Repeat.*

4



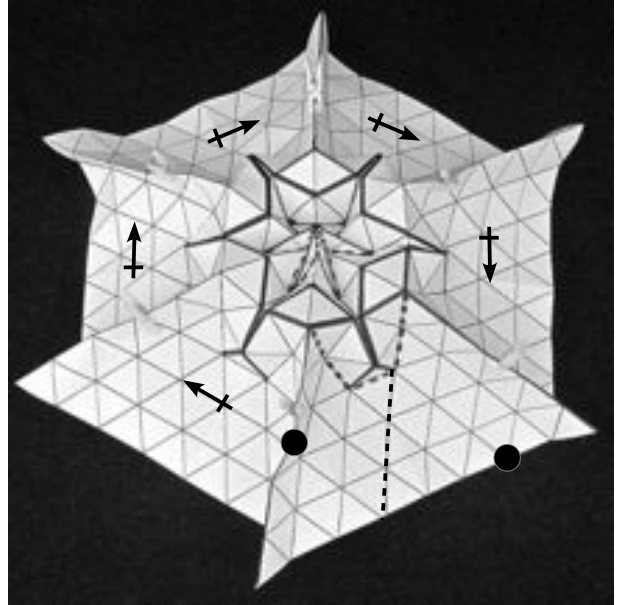
Résultat verso. *Result back view.*
 +> Répéter. *Repeat.*

5



Résultat recto. *Result front view.*

6

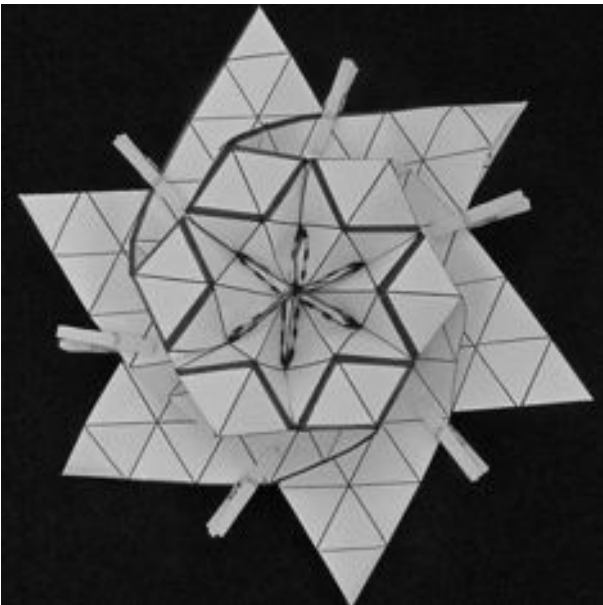


----- Pli vallée. *Valley fold.*

● Faire coïncider les points. *Align points.*

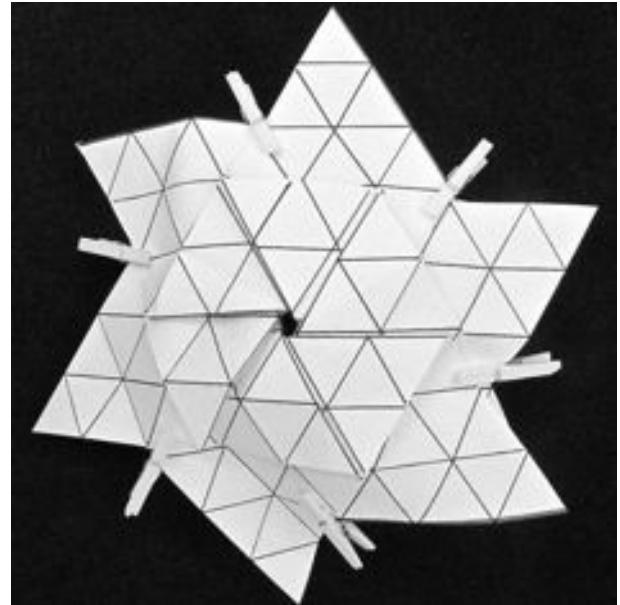
+→ Répéter. *Repeat.*

7



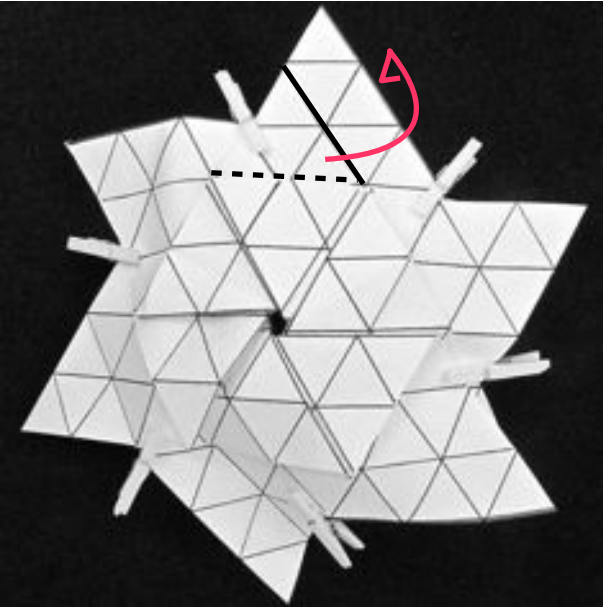
Résultat recto. *Result front view.*

8



Résultat verso. *Result back view.*

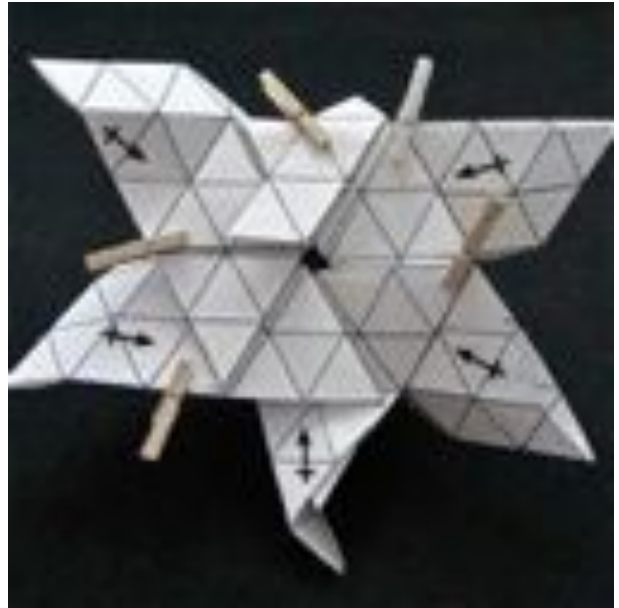
9



— Pli montagne. *Mountain fold.*
 - - - - - Pli vallée. *Valley fold.*

↔ Répéter. *Repeat.*

10



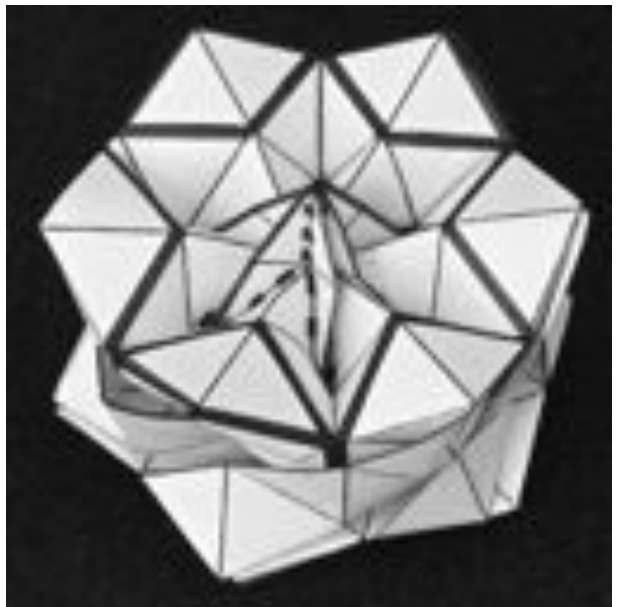
Résultat. *Result.*

11



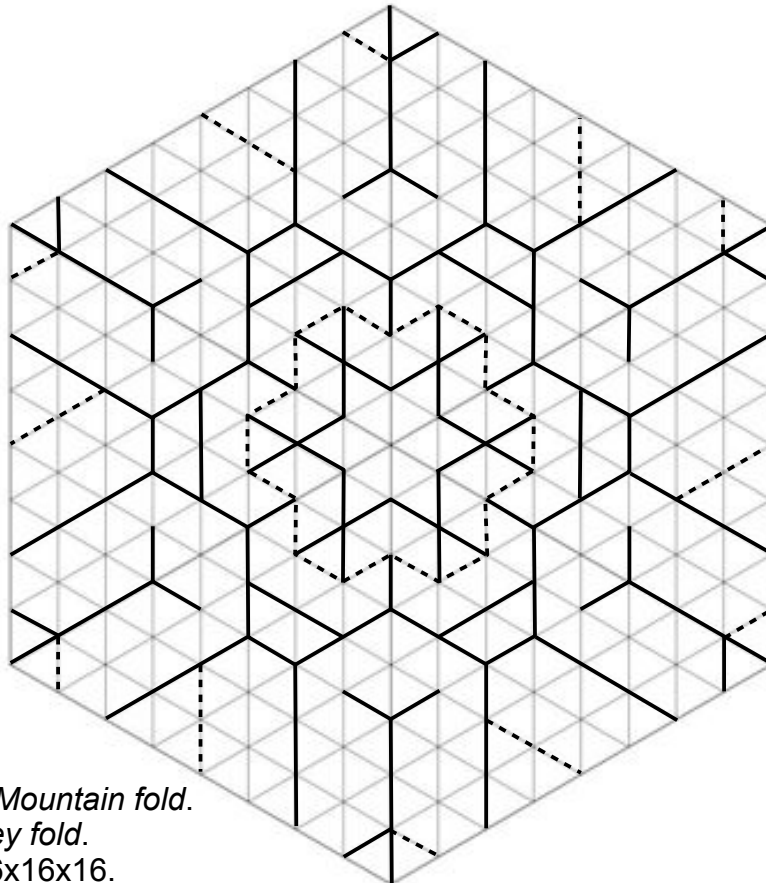
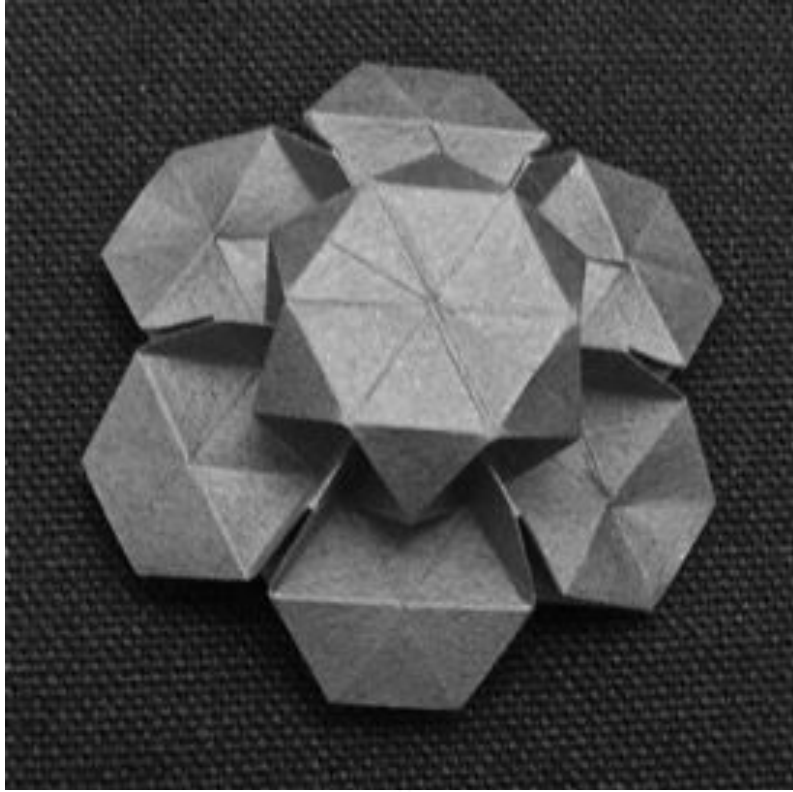
Résultat verso. *Result back view.*

12



Résultat recto. *Result front view.*

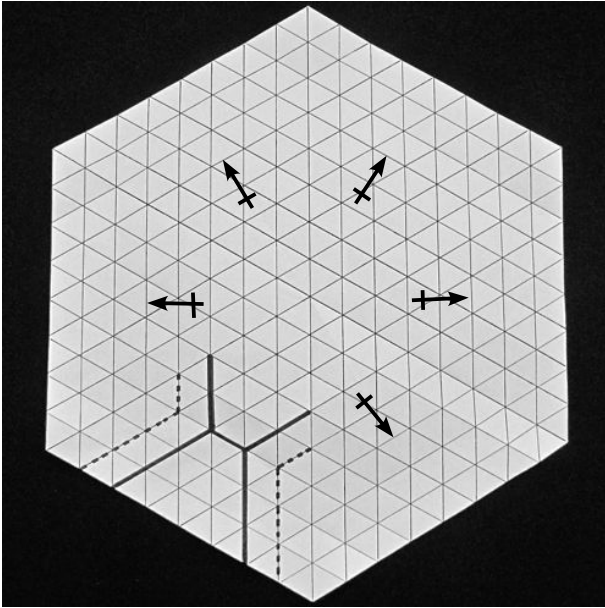
Maluwa version A



— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid* : 16x16x16.

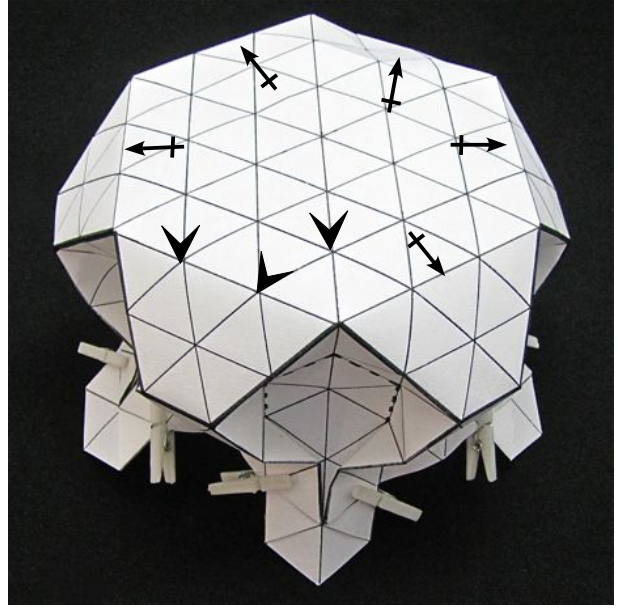
Canevas de plis. *Crease pattern.*

1



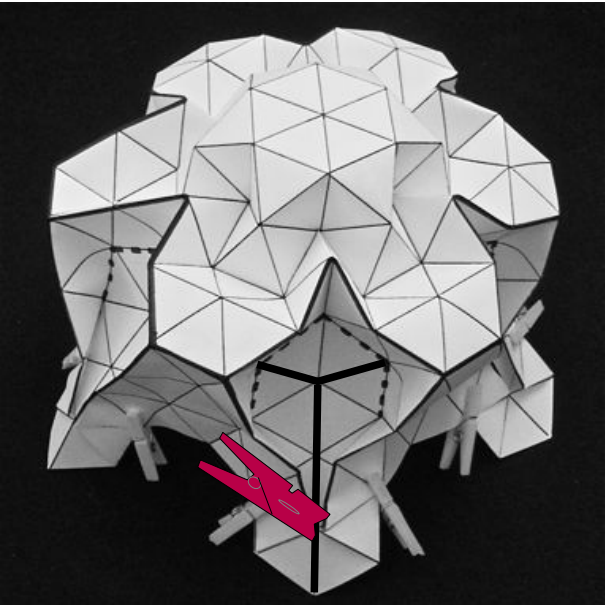
— Pli montagne. *Mountain fold.*
 - - - - Pli vallée. *Valley fold.*
 + → Répéter. *Repeat.*
 Cela met le motif en 3D. *This puts the motif 3D.*

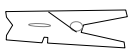
2



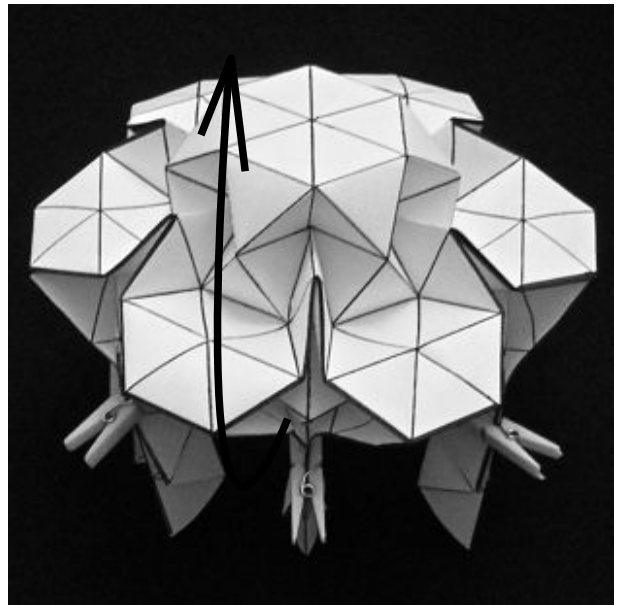
Résultat. *Result.*
 ▼ Enfoncement. *Sink.*
 + → Répéter. *Repeat.*


3



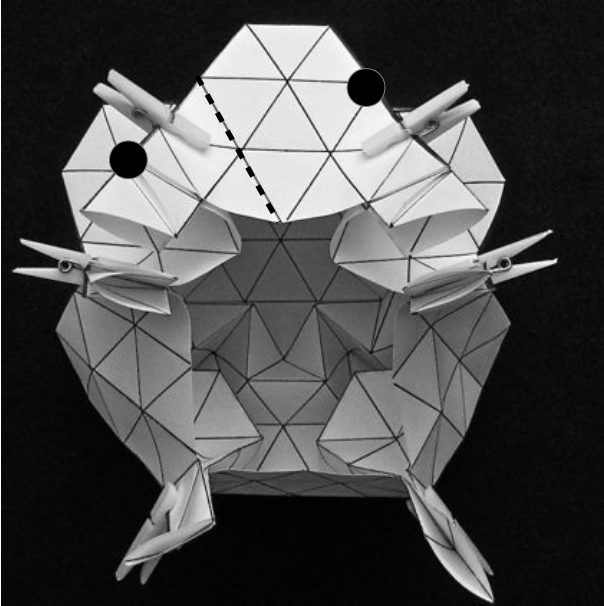
Résultat. *Result.*
 Pincer les épaisseurs. *Pinch thicknesses.*
 # → Répéter 5 fois. *Repeat 5 times.*

4



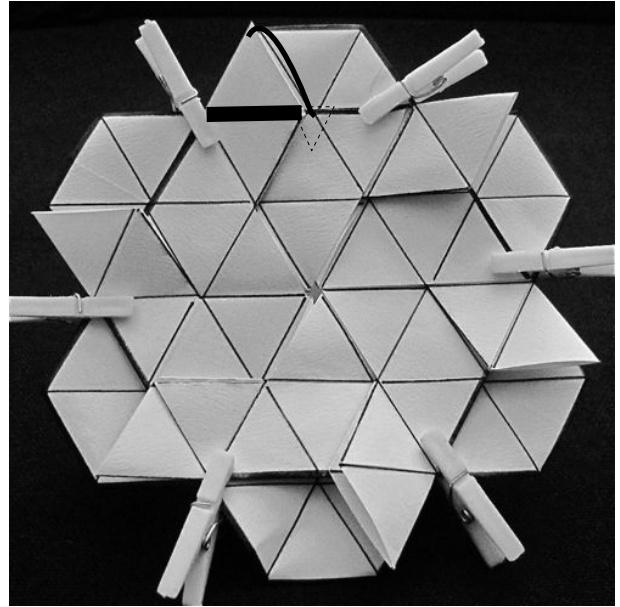
Résultat. *Result.*
 Faire pivoter pour travailler le fond. *Rotate to work the bottom.*

5

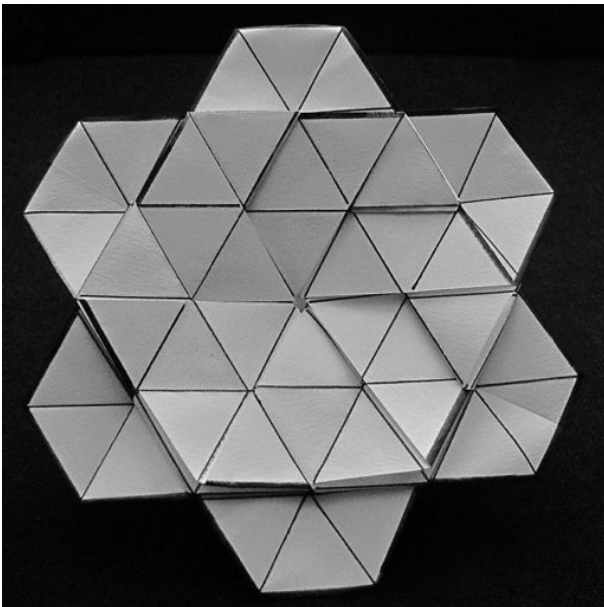


- Pli vallée. *Valley fold.*
- Faire coïncider les points. *Align points.*
- ###➔ Répéter 5 fois. *Repeat 5 times.*

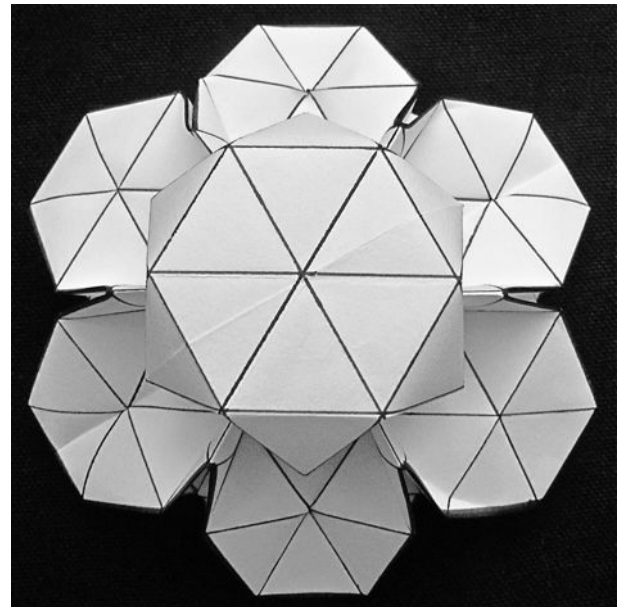
6



- Résultat. *Result.*
- Pli montagne. *Mountain fold.*
- ↪ Glisser le triangle dans la poche. *Slide the triangle in the pocket.*

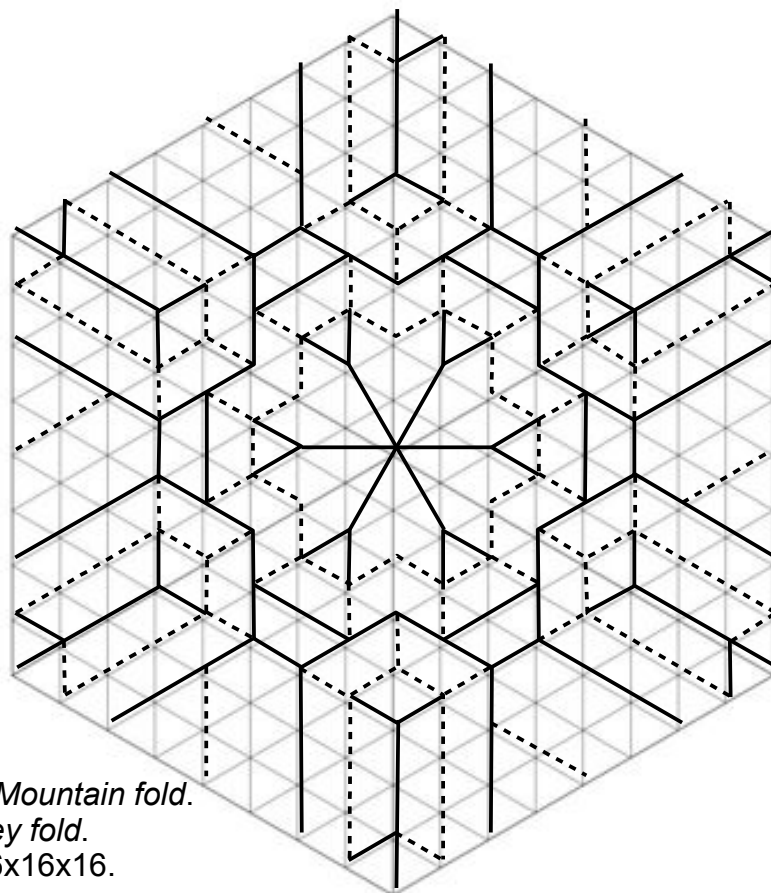
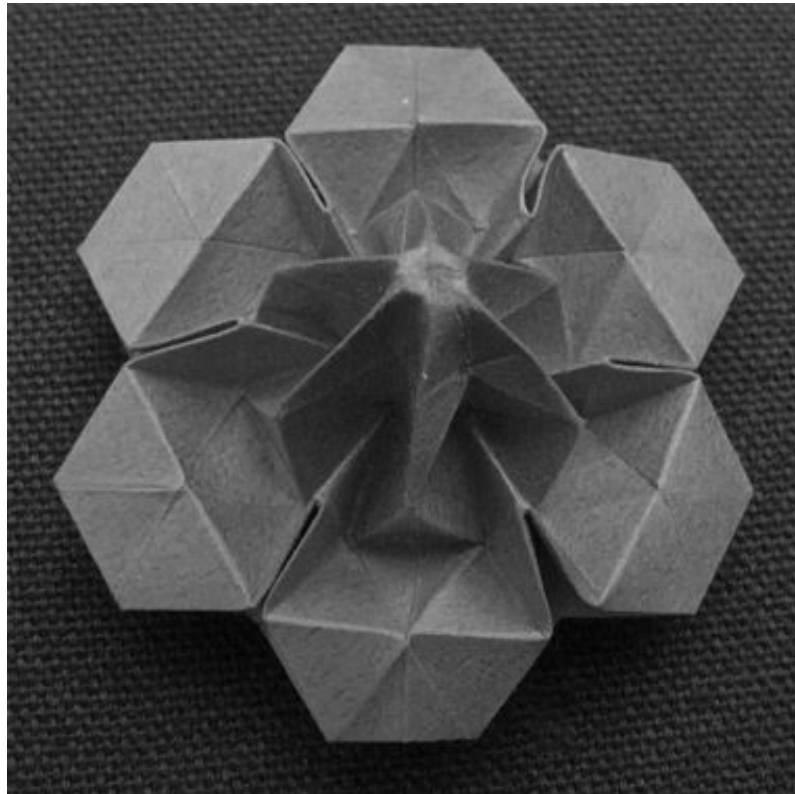


Résultat verso. *Result back view.*



Résultat recto. *Result front view.*

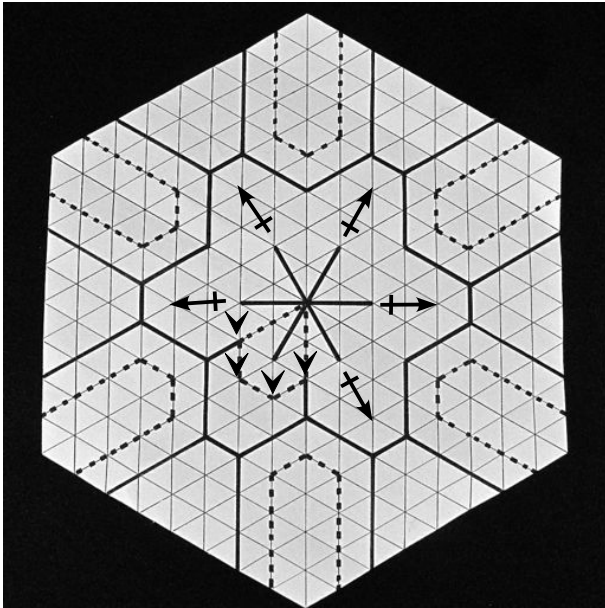
Maluwa version B



— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid* : 16x16x16.

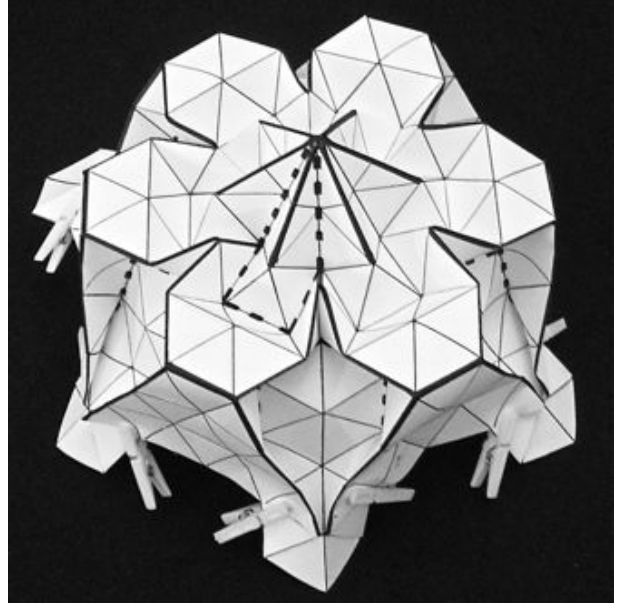
Canevas de plis. *Crease pattern.*

1



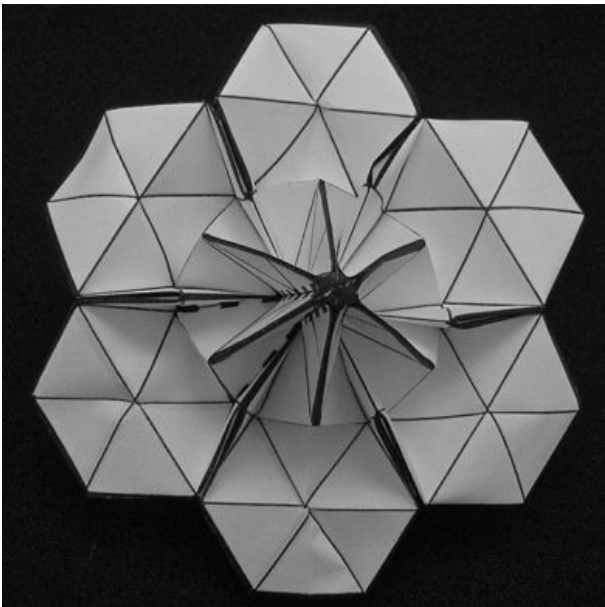
- Couleur dessus. *Color top.*
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- ▼ Enfoncement. *Sink.*
- + → Répéter. *Repeat.*

2



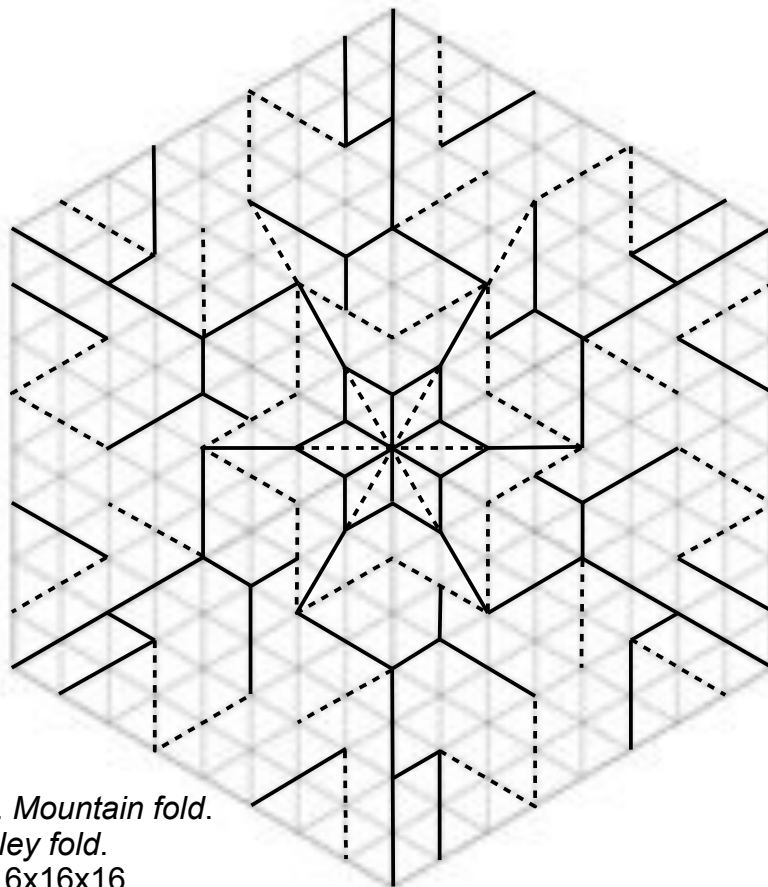
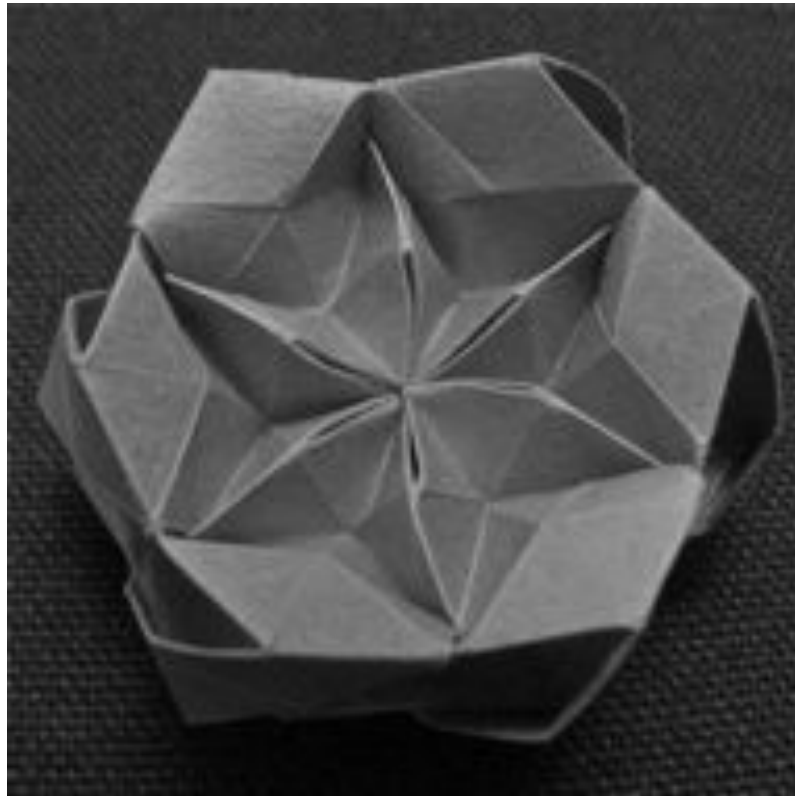
Résultat. *Result.*
 Reprendre ensuite à l'étape 3
 de Maluwa version A. *Then go back to*
step 3 Maluwa of Version A.

3



Résultat recto. *Result front view.*

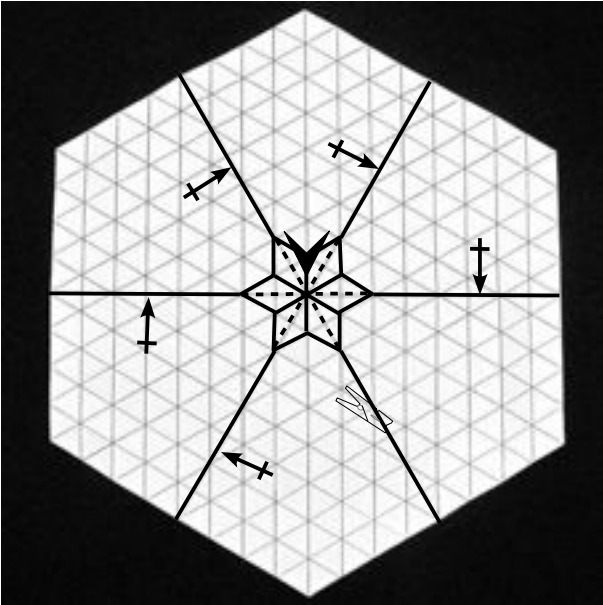
Paj









— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid : 16x16x16.*

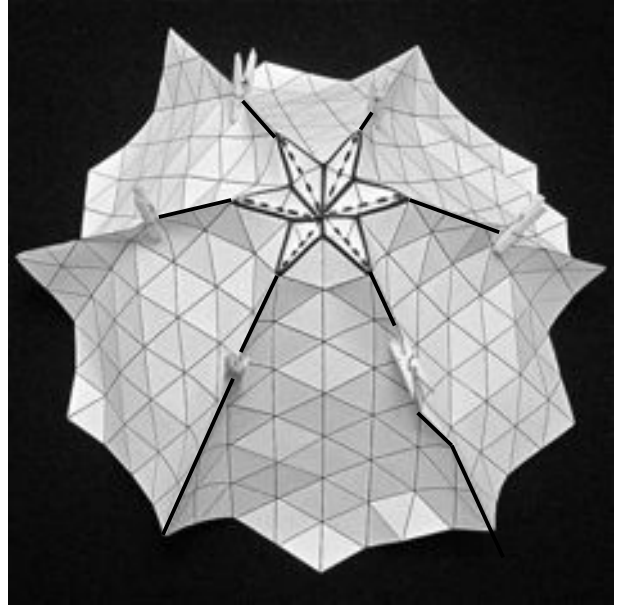
Canevas de plis. *Crease pattern.*

1




-  Couleur dessus. *Color top.*
-  Pli montagne. *Mountain fold.*
-  Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*
-  Pincer le pli montagne. *Pinch the mountain fold.*
-  Répéter. *Repeat.*
-  Enfoncement. *Sink.*

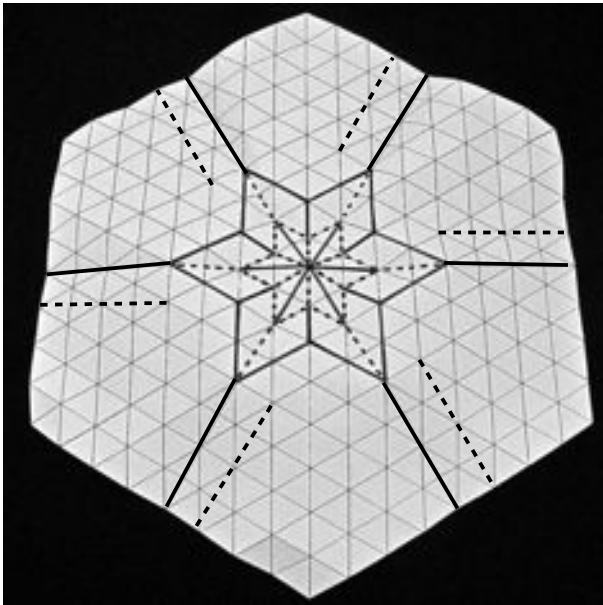
2





Résultat. *Result.*

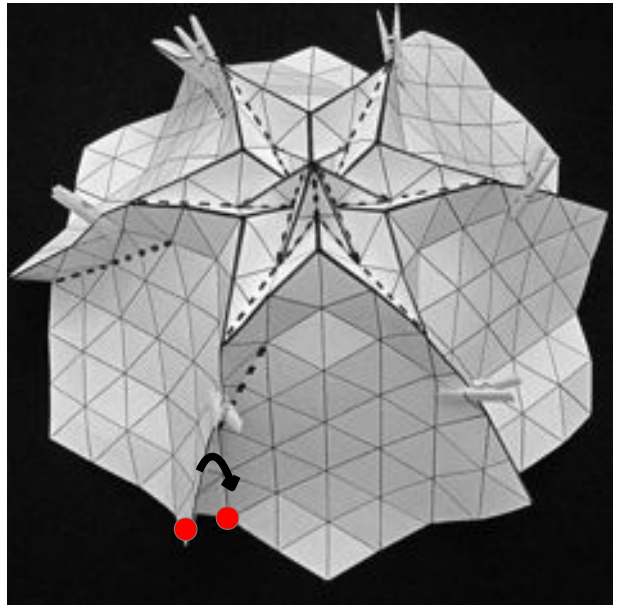
-  Retourner. *Return.*

3





-  Pli montagne. *Mountain fold.*
-  Pli vallée. *Valley fold.*

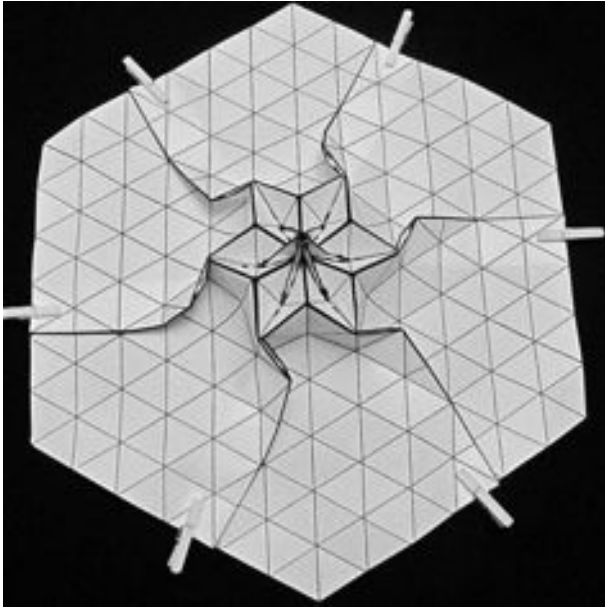
4



Résultat. *Result.*

-  Coucher le pli, pincer le triangle du haut. *Flatten the fold, Pinch the top triangle.*
-  Faire coïncider les points. *Align points.*

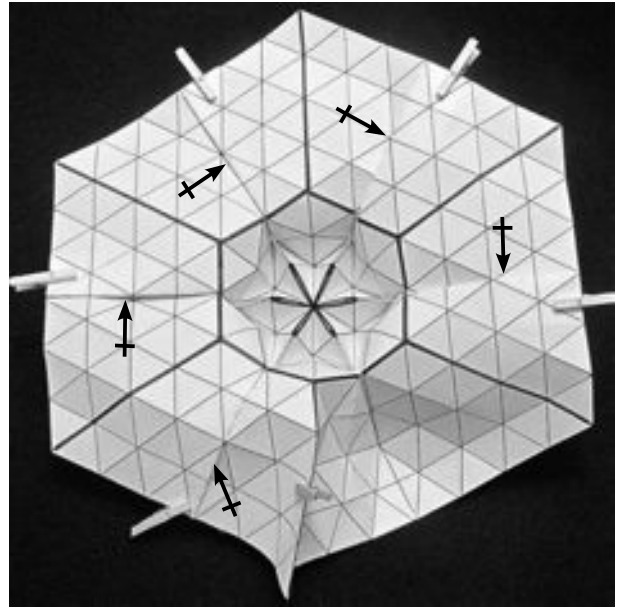
5




Résultat. *Result.*

↺ Retourner. *Return.*

6

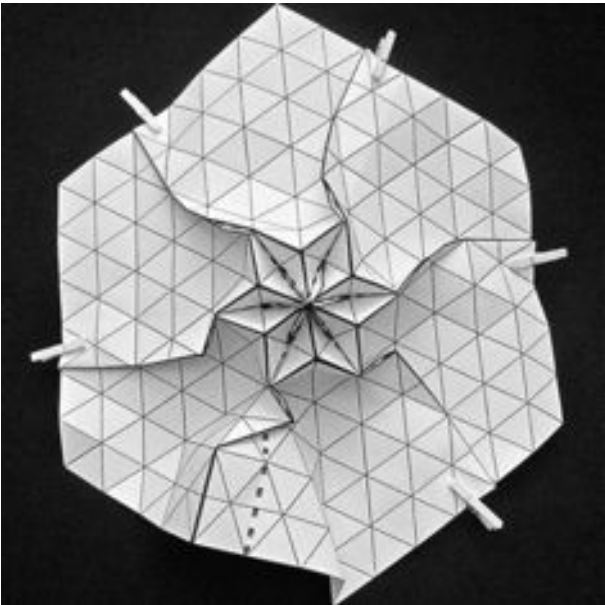


 Pincer le pli montagne.
Pinch the mountain fold.

Ouvrir le pli de la médiane jusqu'à former un creux.
Open the fold of the center to form a hollow.

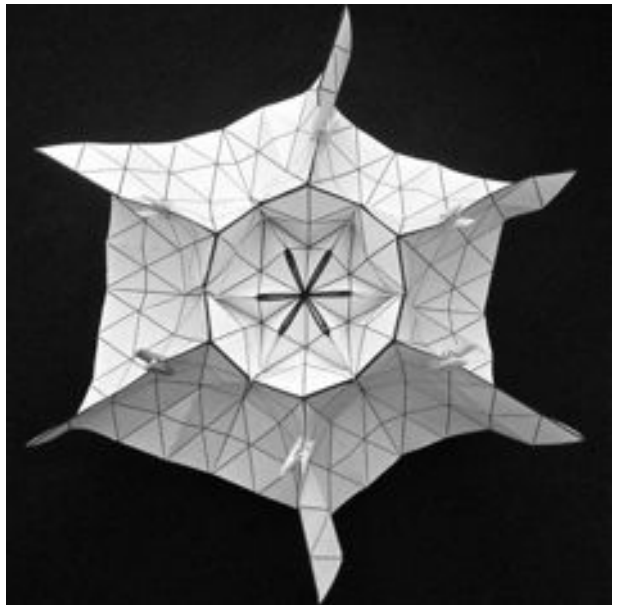
↻ Répéter. *Repeat.*

7



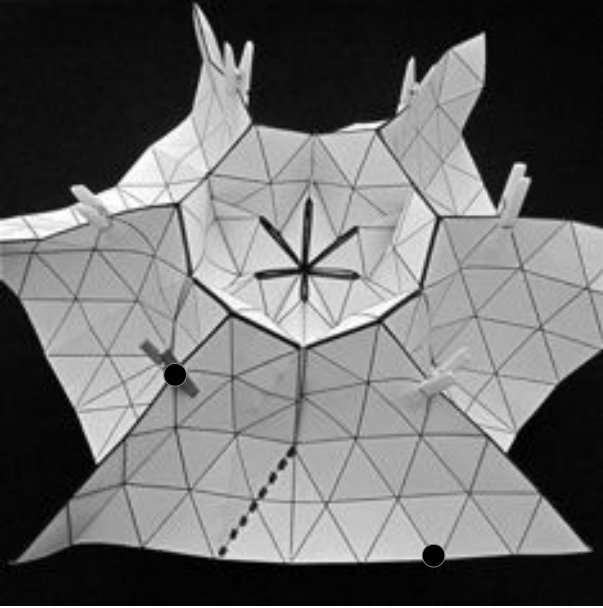
Vue du verso. *Back of view.*

8



Résultat. *Result.*

9

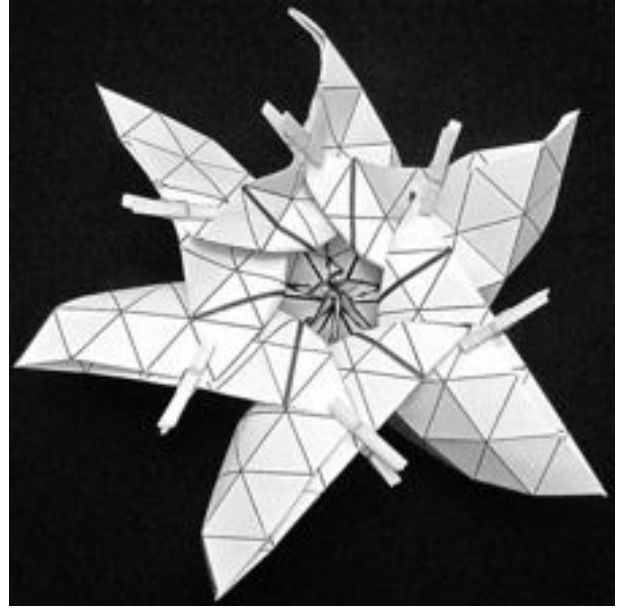


----- Pli vallée. *Valley fold.*

● Faire coïncider les points. *Align points.*

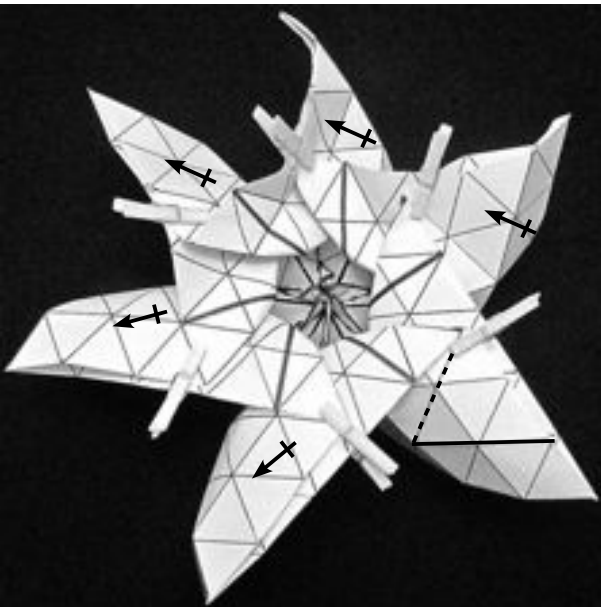
≡→ Répéter 5 fois. *Repeat 5 times.*

10



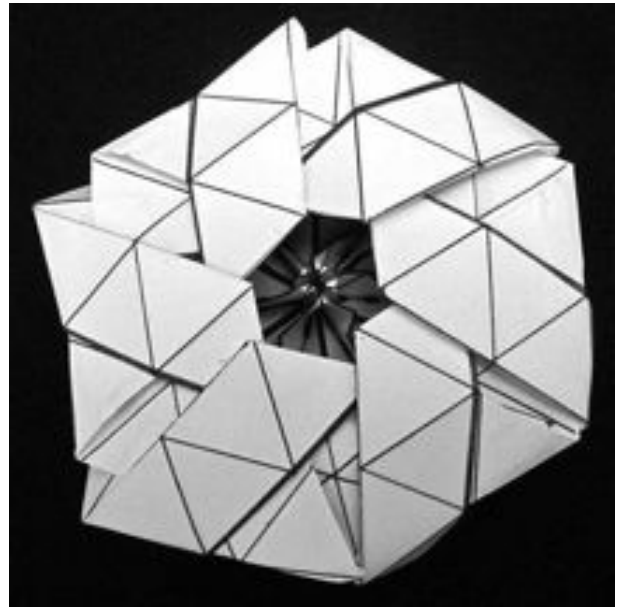
Résultat vue du verso. *Result back of view.*

11



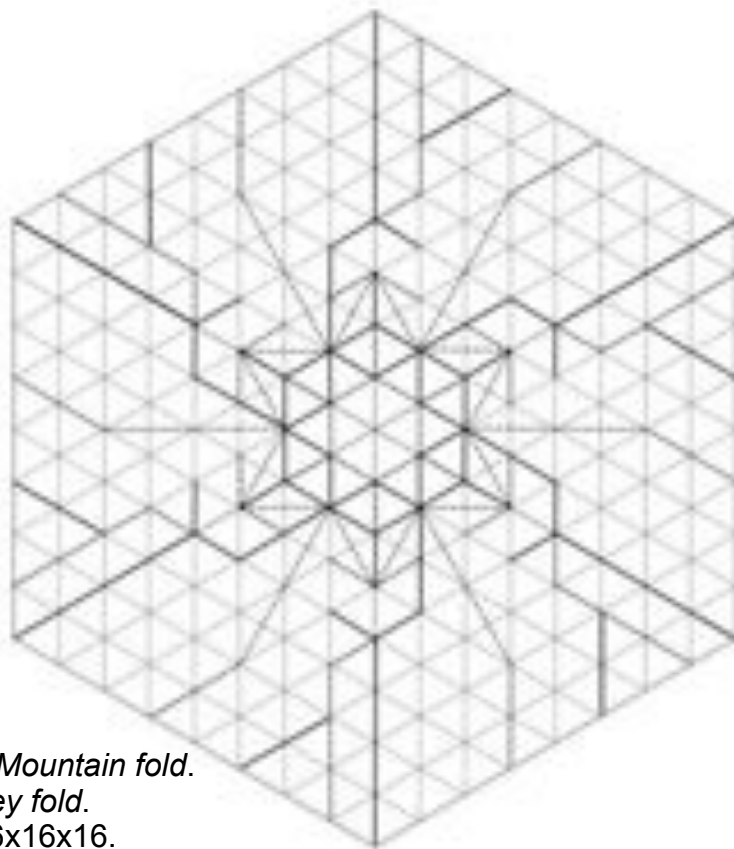
↶→ Répéter dans le sens antihoraire.
Repeat counterclockwise.

12



Résultat verso. *Result back view.*
Voir le résultat du recto sur la 1ère page.
See the result of the front on the first page.

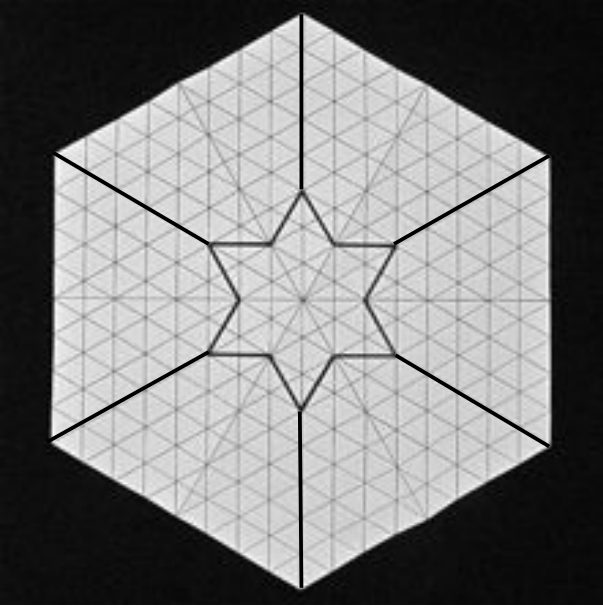
Ua



— Pli montagne. *Mountain fold.*
- - - - - Pli vallée. *Valley fold.*
Grille. *Grid : 16x16x16.*

Canevas de plis. *Crease pattern.*

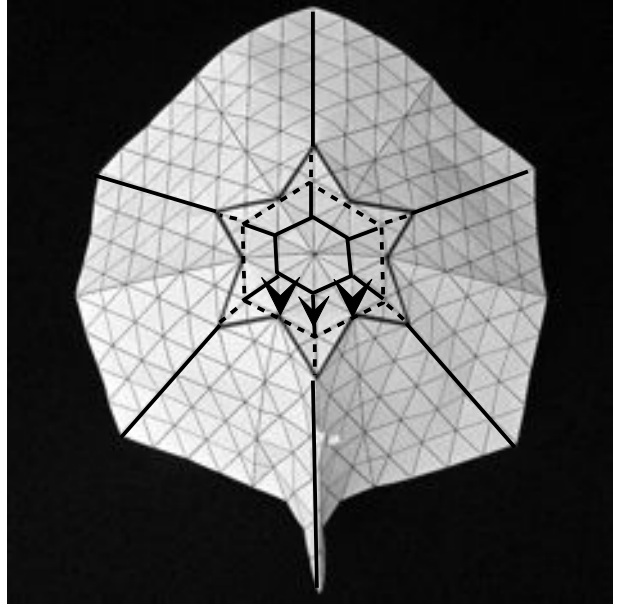
1



Couleur dessous. *Color below.*
Grille 16x16x16. *Grid 16x16x16.*

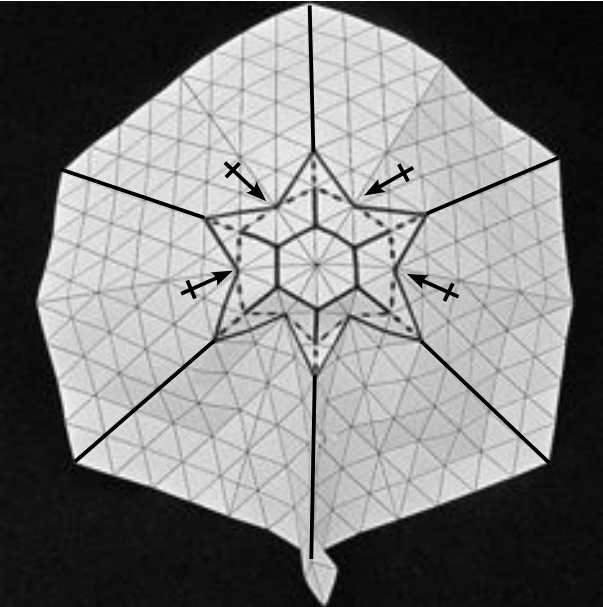
— Pli montagne. *Mountain fold.*

2



Enfoncement. *Sink.*

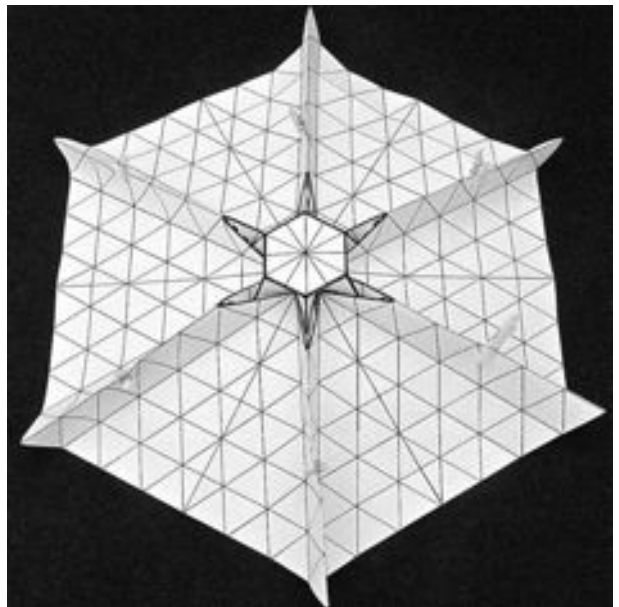
3



Résultat. *Result.*

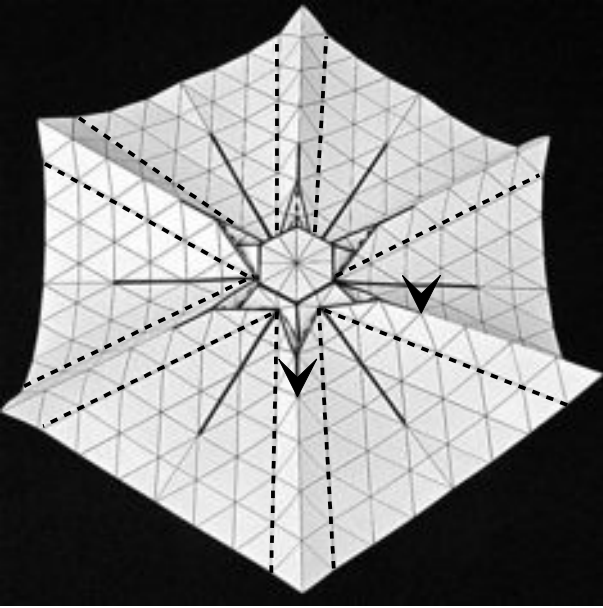
➔ Répéter. *Repeat.*

4



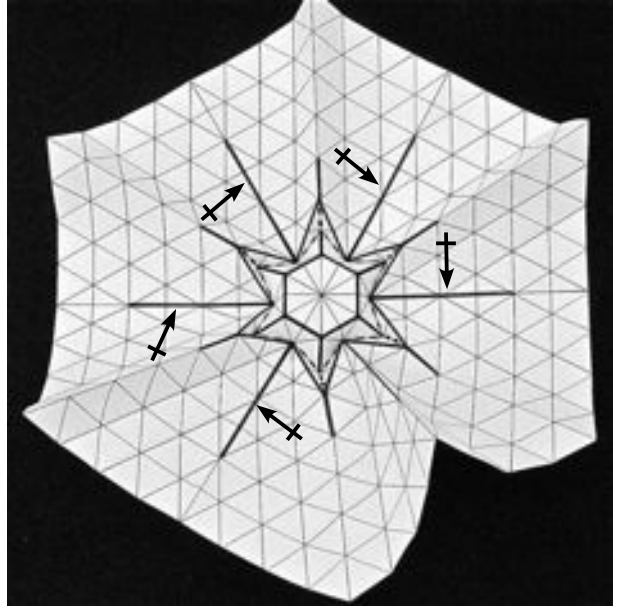
Résultat. *Result.*

5



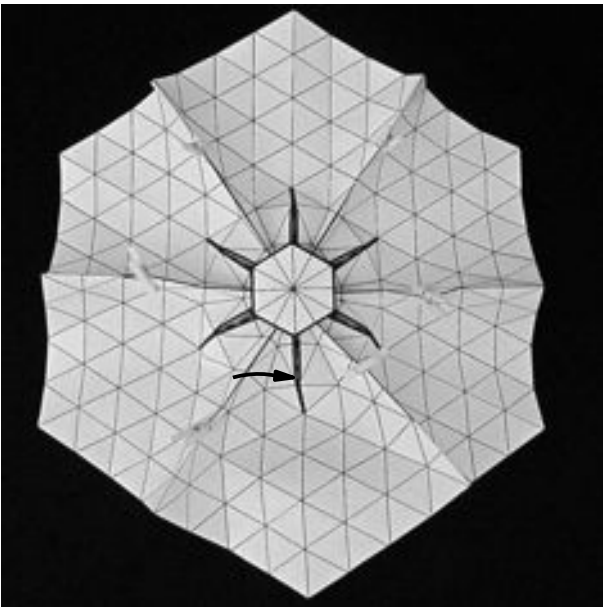
- Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
- ▼ Enfoncement. *Sink.*

6



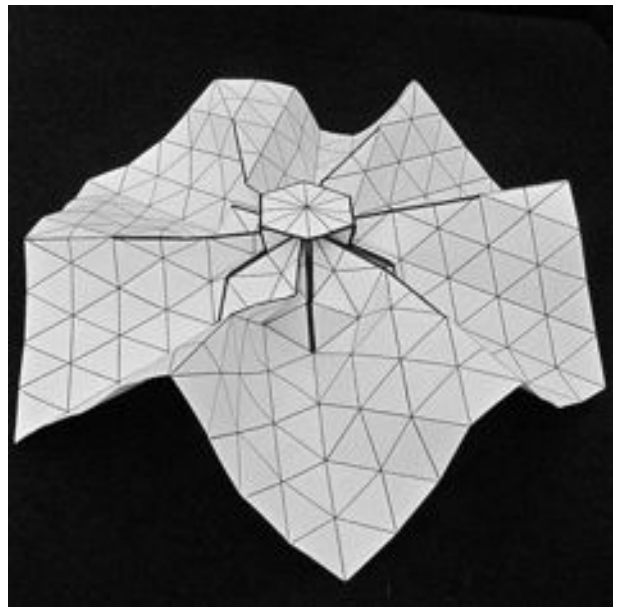
- Résultat. *Result.*
- ⊢ Répéter. *Repeat.*

7



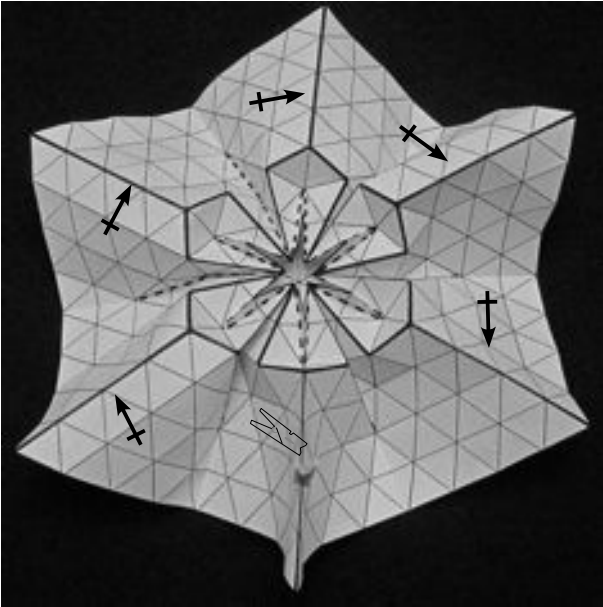
- Résultat. *Result.*
- Coucher les plis pour resserrer le centre. *Flatten the folds for tighten the center.*

8

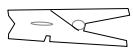


- Résultat. *Result.*
- ↺ Retourner. *Return.*

9

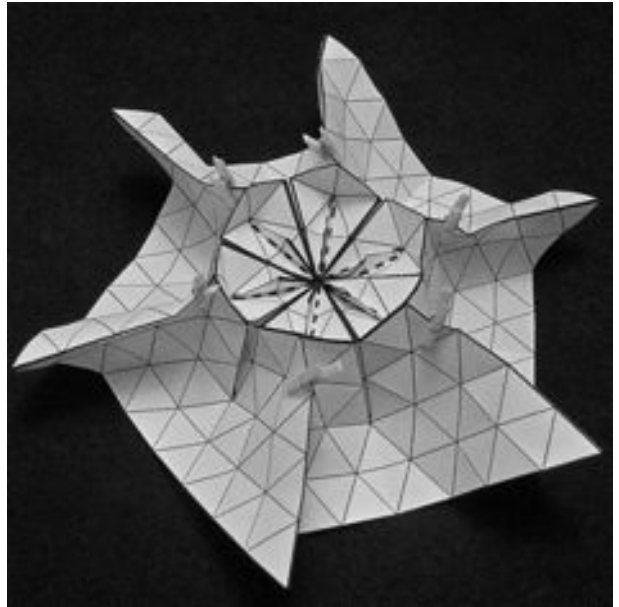


— Pli montagne. *Mountain fold.*
 Pli vallée. *Valley fold.*

 Pincer les plis montagnes.
Pinch mountain folds.

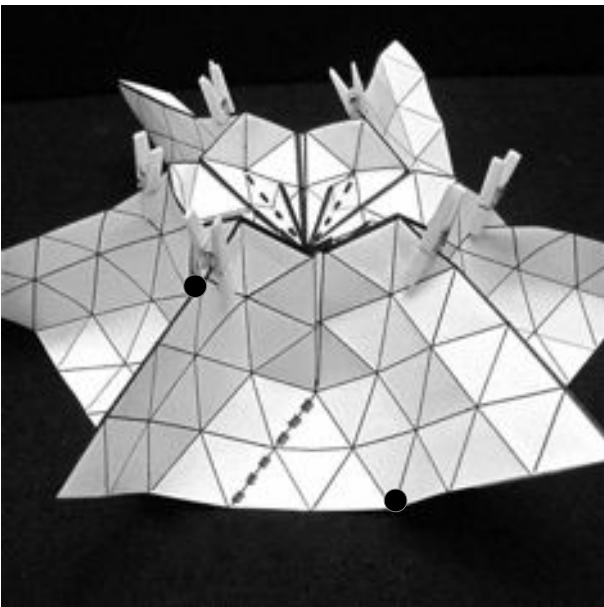
➔ Répéter. *Repeat.*

10



Résultat. *Result.*

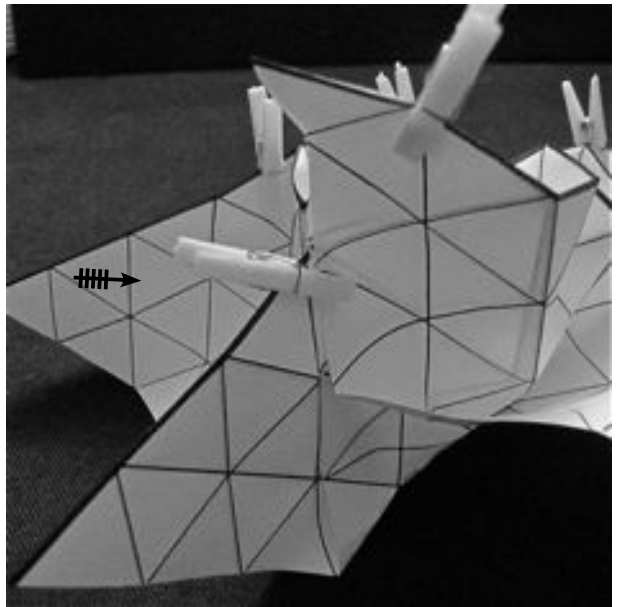
11



..... Pli vallée. *Valley fold.*

● Faire coïncider les points. *Align points.*

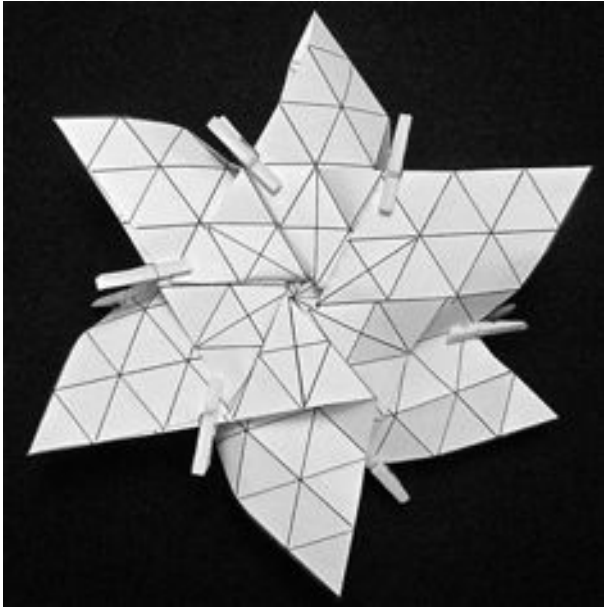
12



Résultat. *Result.*

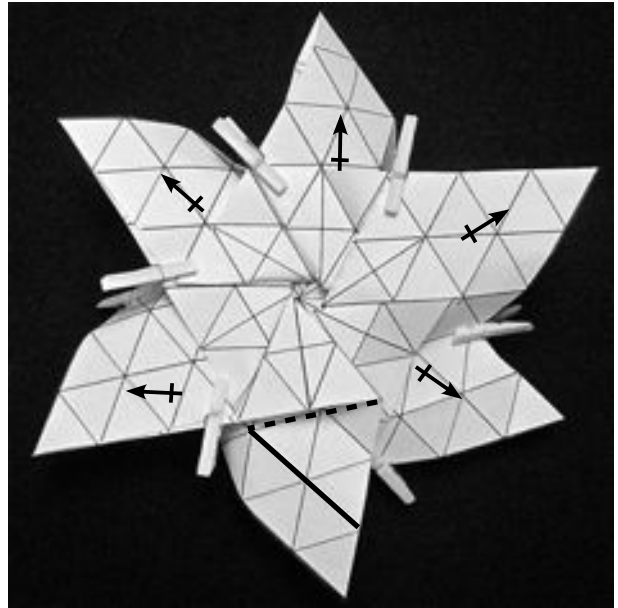
➔ Répéter 5 fois. *Repeat 5 times.*

13



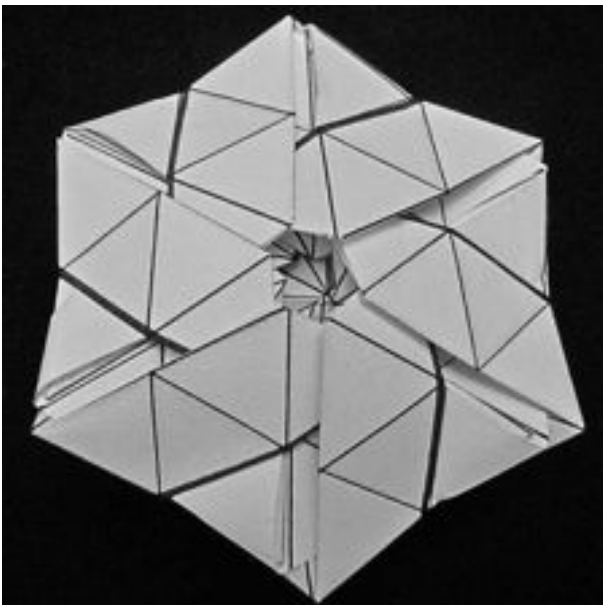
Résultat verso. *Result back view.*

14



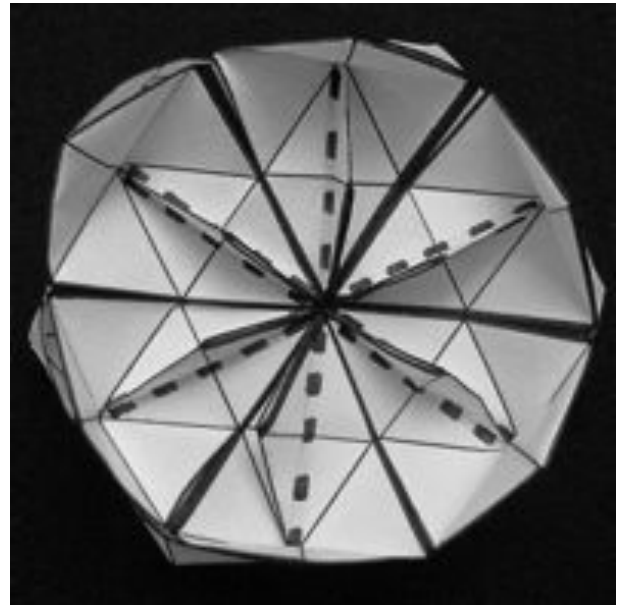
— Pli montagne. *Mountain fold.*
 - - - - Pli vallée. *Valley fold.*
 + → Répéter. *Repeat.*

15



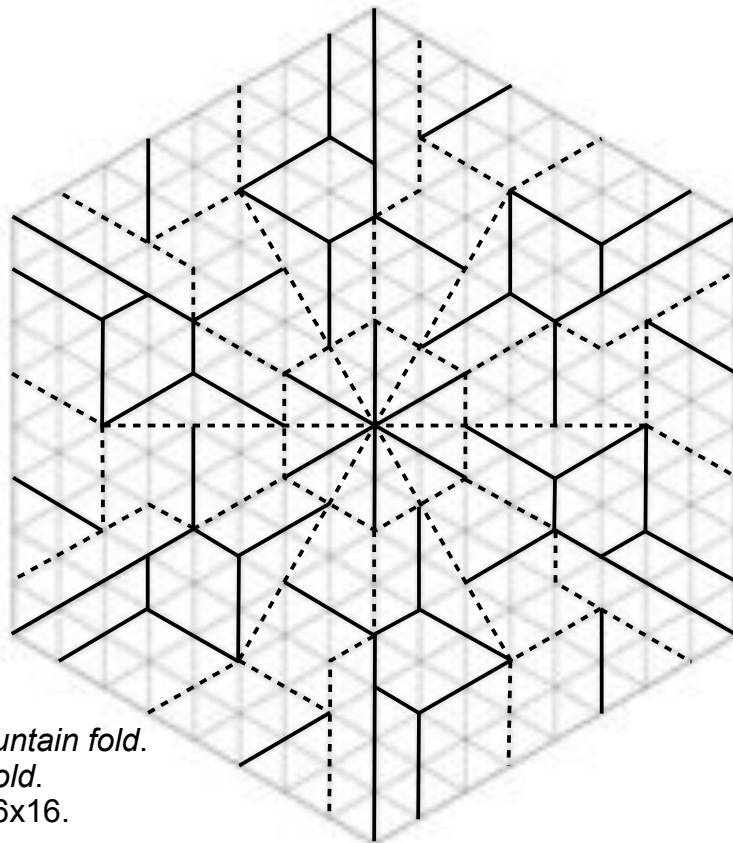
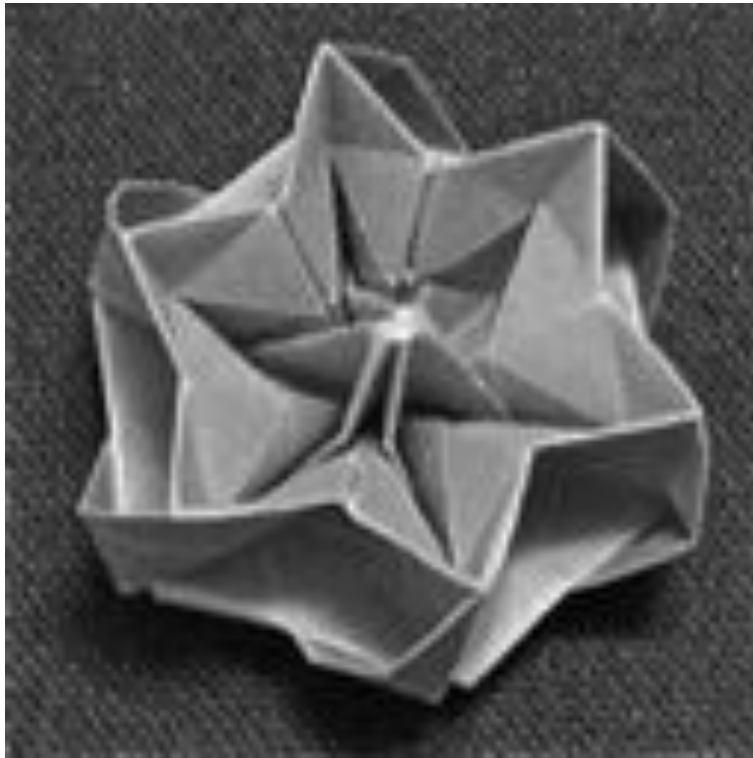
Résultat verso. *Result back view.*

16



Résultat recto. *Result front view.*

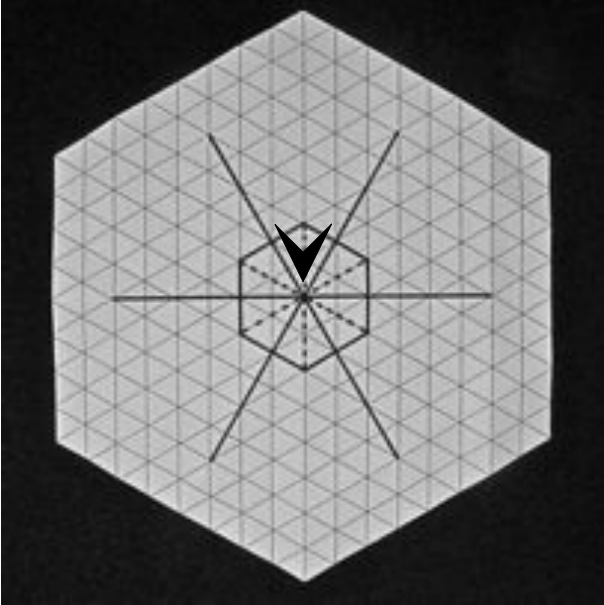
Uriage



— Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
Grille. *Grid* : 16x16x16.

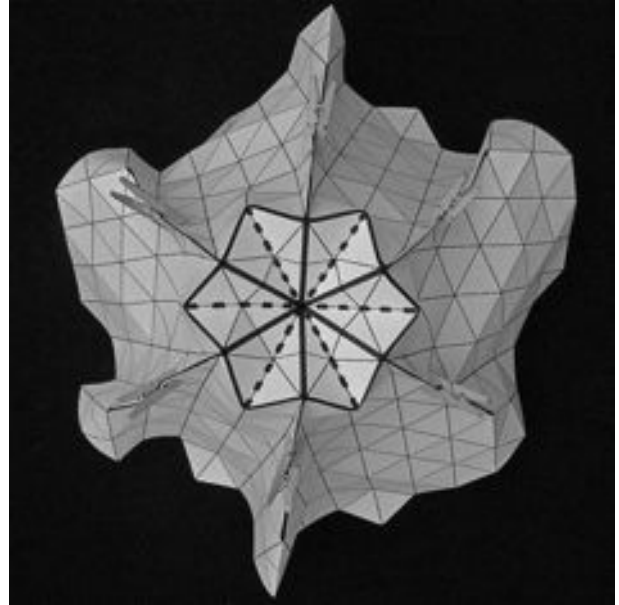
Canevas de plis. *Crease pattern.*

1



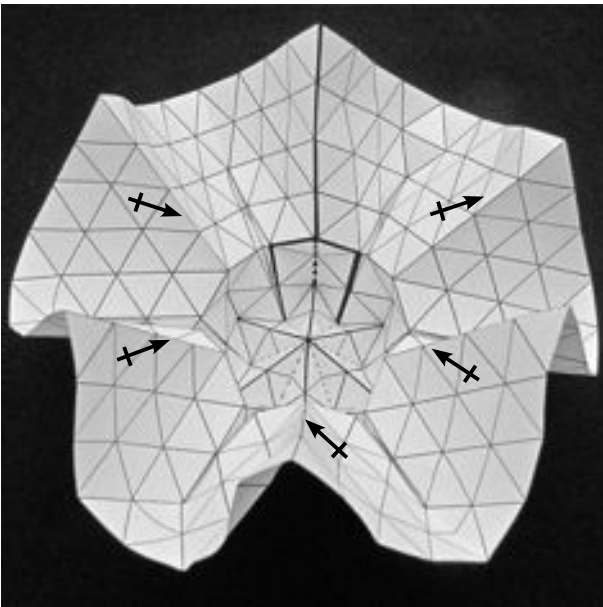
- Couleur dessous. *Color below.*
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*
- ▼ Enfoncement. *Sink.*

2



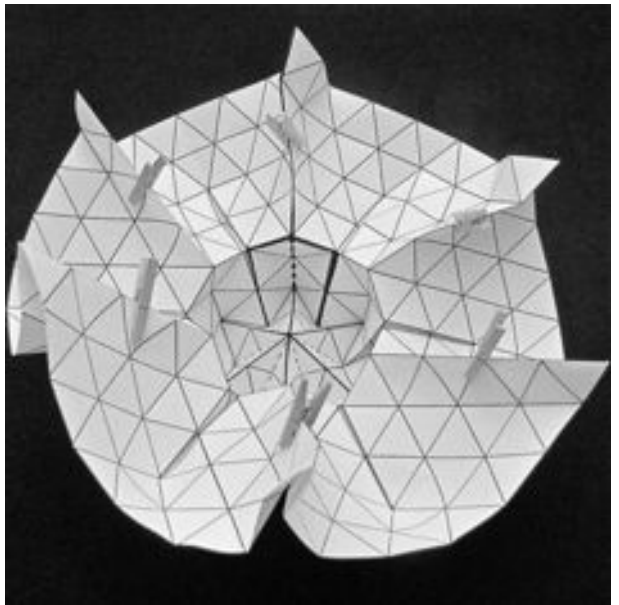
- Résultat. *Result.*
- ↻ Retourner. *Return.*

3



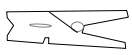
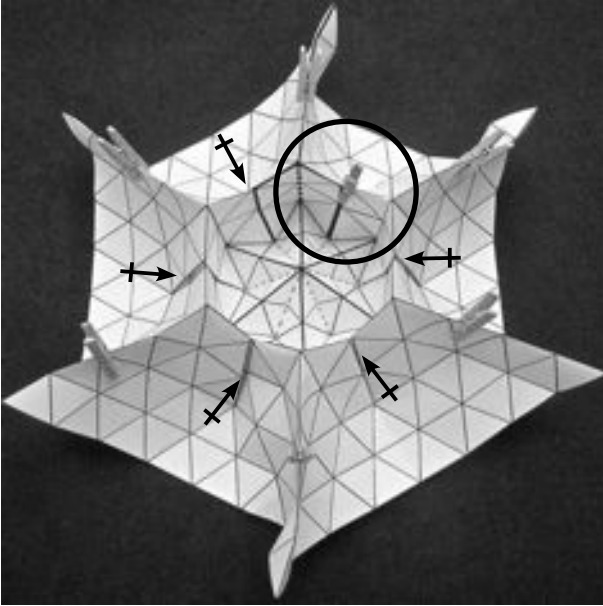
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- ↻ Retourner. *Return.*

4



Résultat. *Result.*

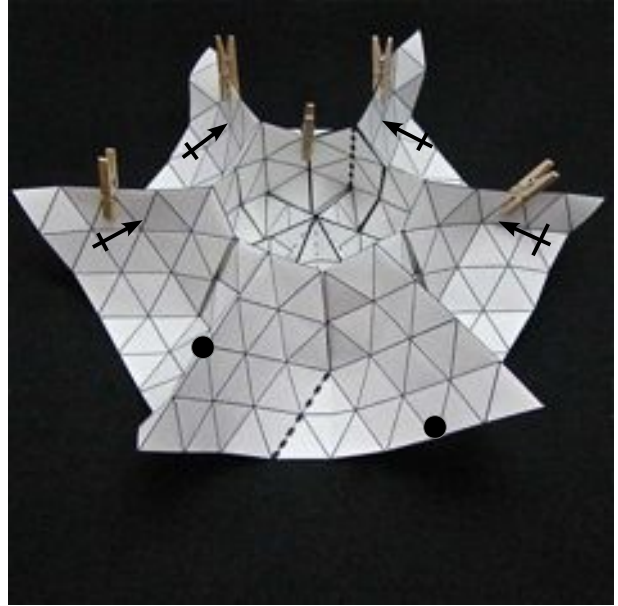
5



Pincer les épaisseurs.
Pinch thicknesses.

➦ Répéter. *Repeat.*

6

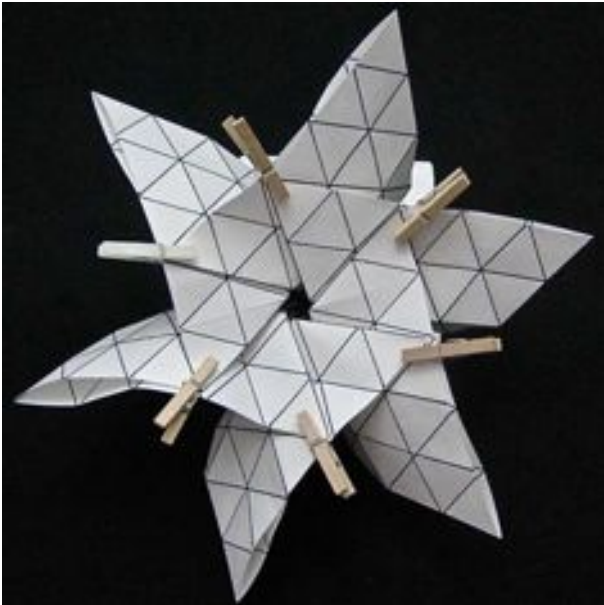


● Faire coïncider les points en gardant les deux épaisseurs. *Align points keeping both thicknesses.*

- - - - - Pli vallée. *Valley fold.*

➦ Répéter. *Repeat.*

7



Résultat verso. *Result back view.*

8

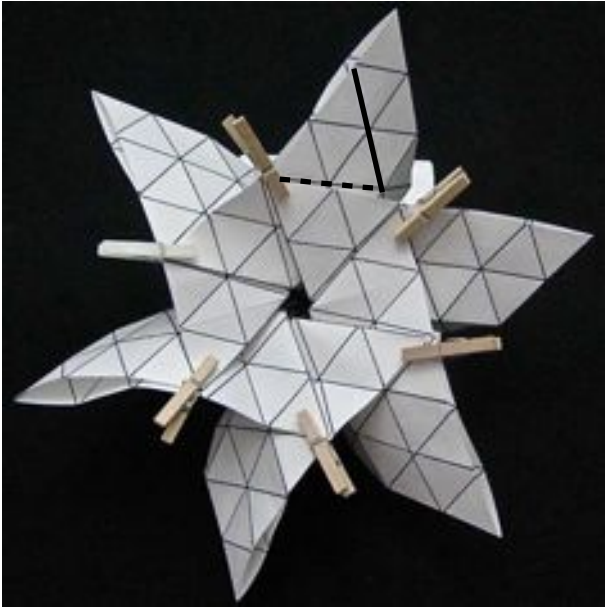


Résultat recto. *Result front view.*



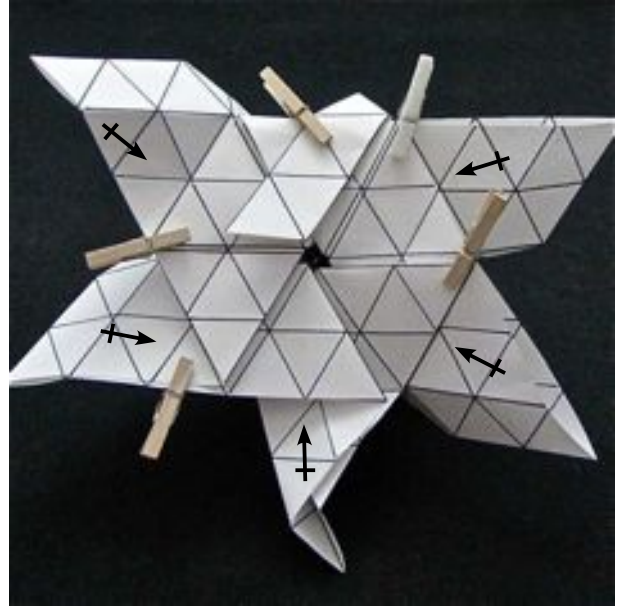
Retourner. *Return.*

9



— Pli montagne. *Mountain fold.*
 - - - - Pli vallée. *Valley fold.*

10



Résultat. *Result.*
 + → Répéter. *Repeat.*

11



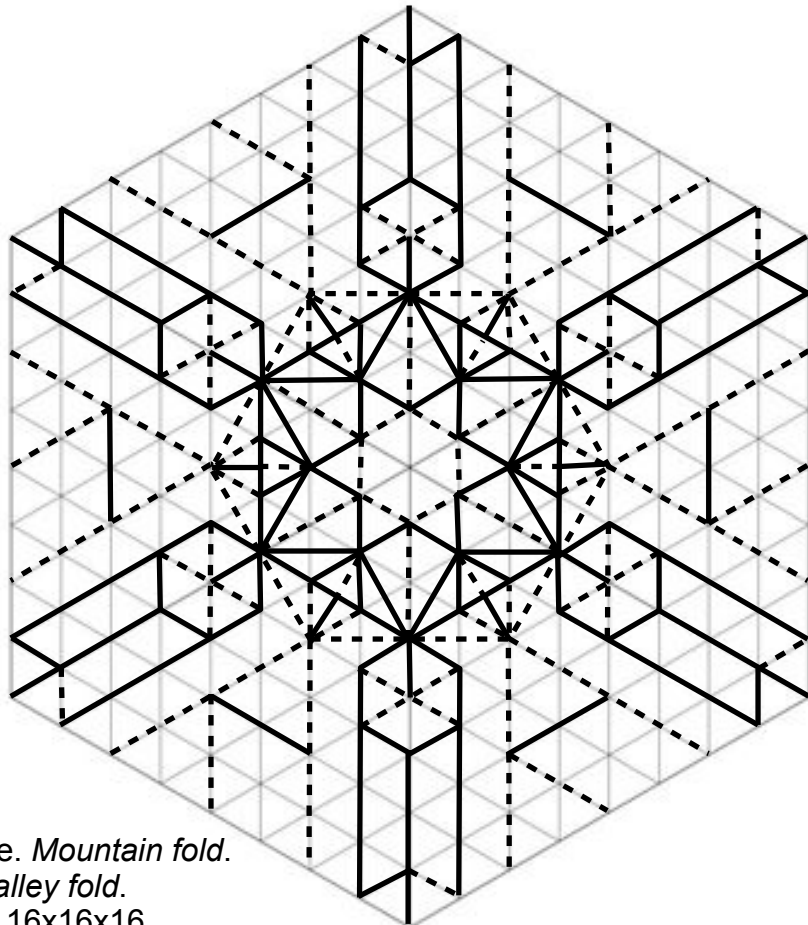
Résultat recto. *Result front view.*

12



Résultat verso. *Result back view.*

Zieds



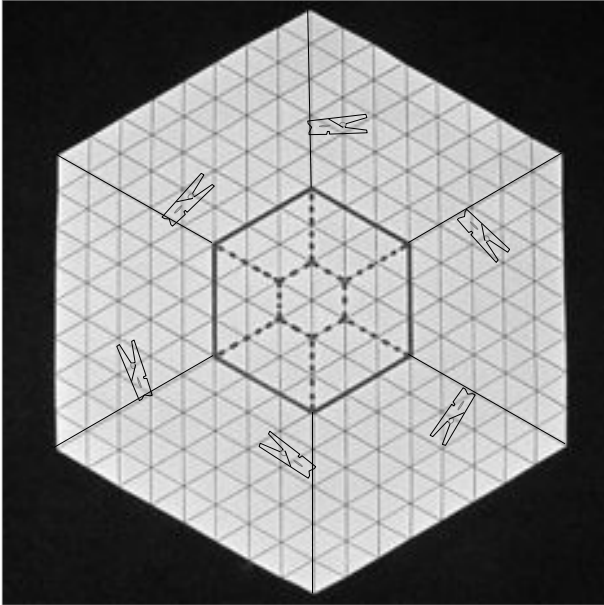
— Pli montagne. *Mountain fold.*


- - - - - Pli vallée. *Valley fold.*

Grille. *Grid : 16x16x16.*

Canevas de plis. *Crease pattern.*

1



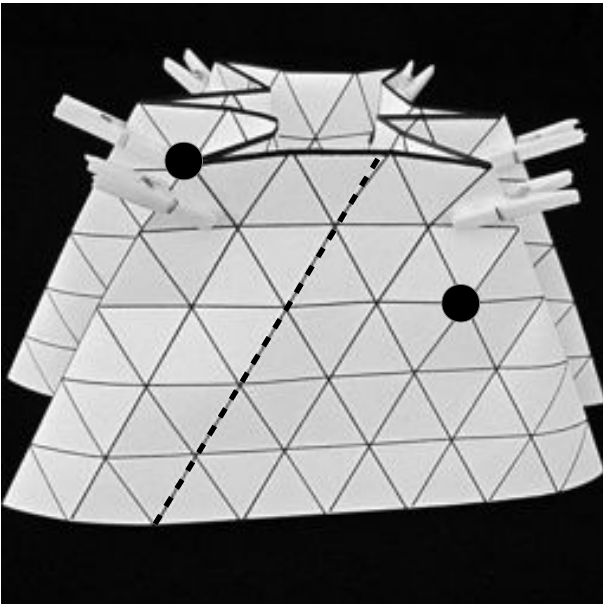
- Couleur dessus. *Color top.*
- Pli montagne. *Mountain fold.*
- - - - Pli vallée. *Valley fold.*
- Grille. *Grid : 16x16x16.*
-  Pincer les épaisseurs. *Pinch thicknesses.*

2



Résultat vue de haut. *Result top view.*

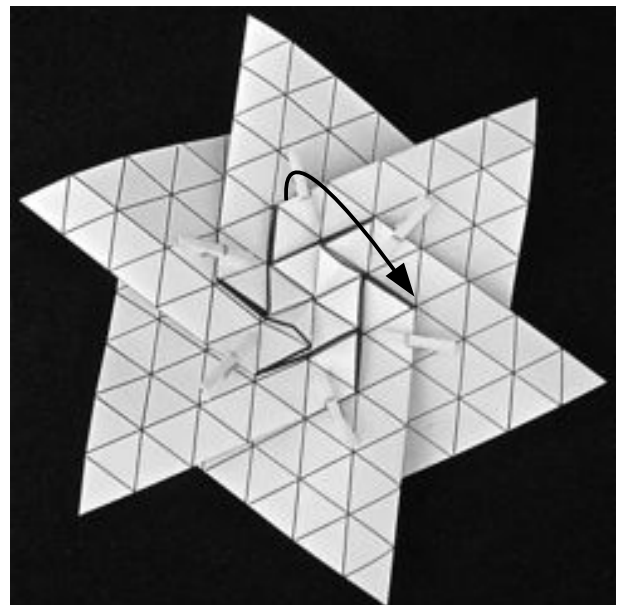
3




Vue de côté. *Side view.*

- - - - Pli vallée. *Valley fold.*
- Faire coïncider les points. *Align points.*
- ▄▄▄▄➔ Répéter 5 fois. *Repeat 5 times.*

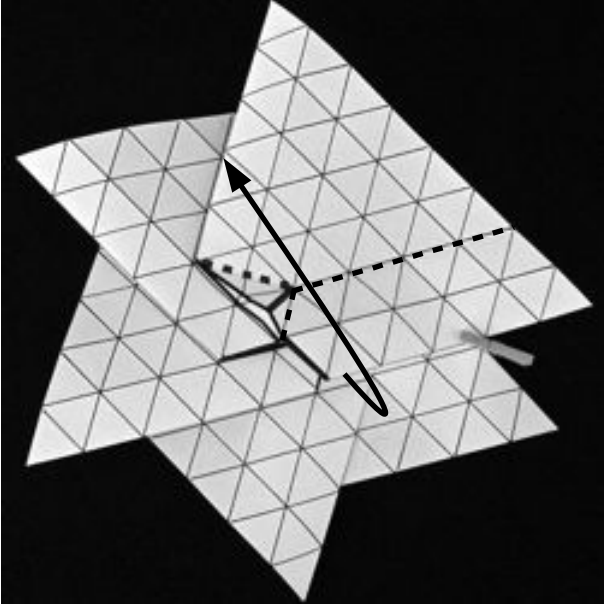
4



Résultat. *Result.*

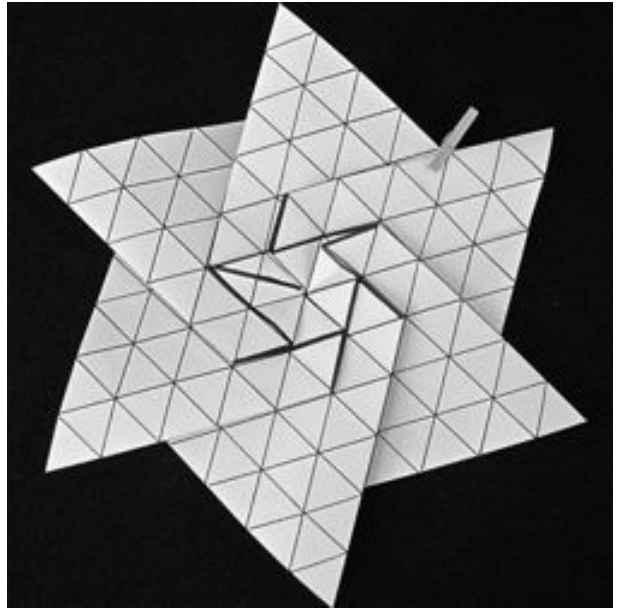
-  Soulever au maximum le volet. *Lift up the flap.*

5



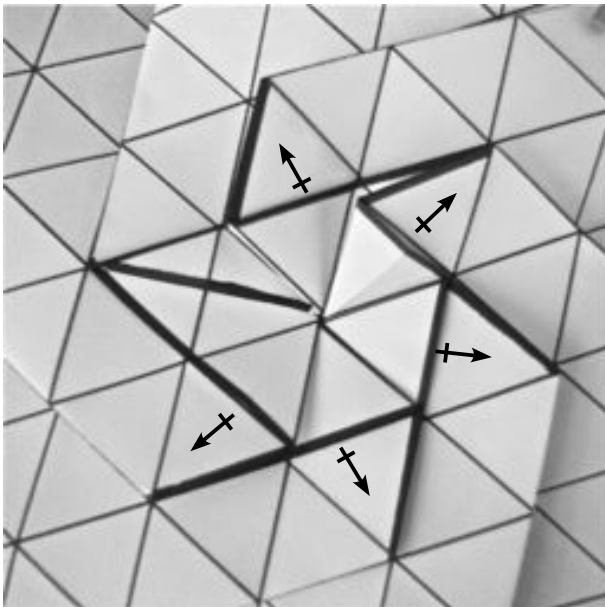
- Pli montagne. *Mountain fold.*
- - - Pli vallée. *Valley fold.*
- ↪ Refermer le volet. *Close the flap.*

6



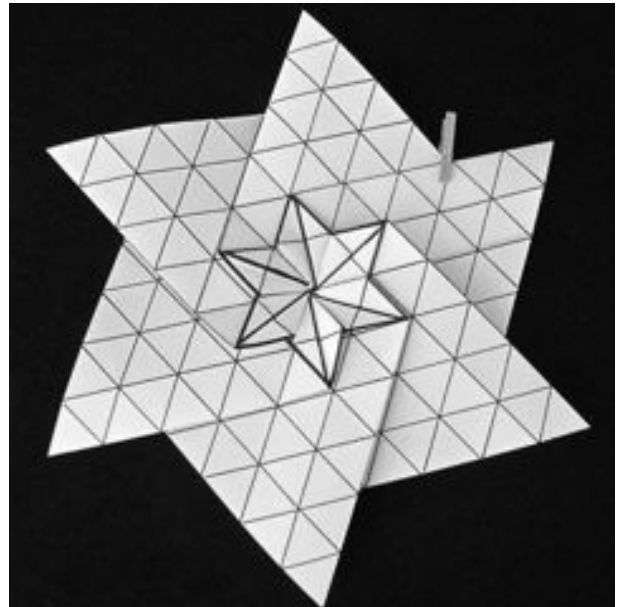
Résultat. *Result.*

7



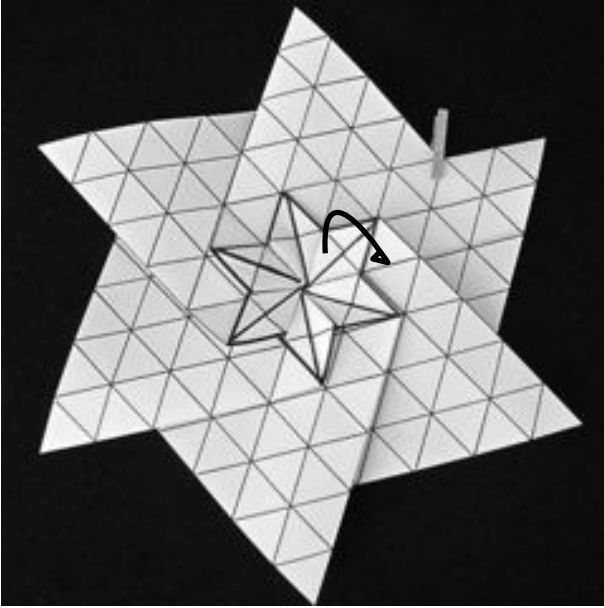
- Zoom du centre. *Zoom the center.*
- ↪ Répéter. *Repeat.*


8



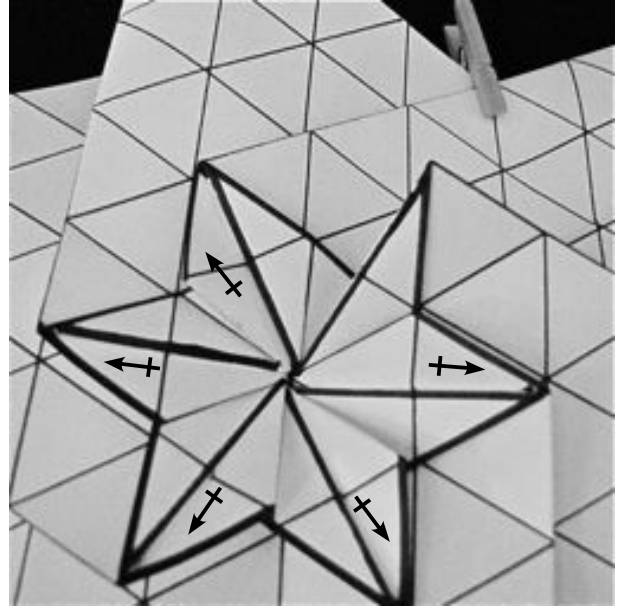
Résultat. *Result.*


9



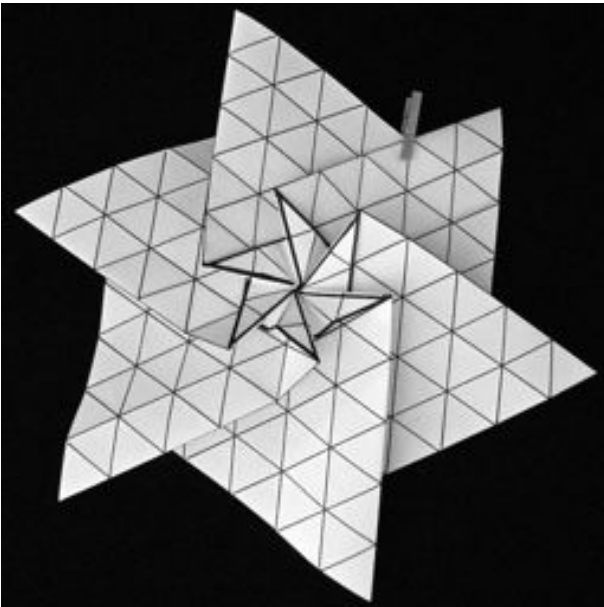
 Retourner vers l'intérieur. *Return inside.*

10



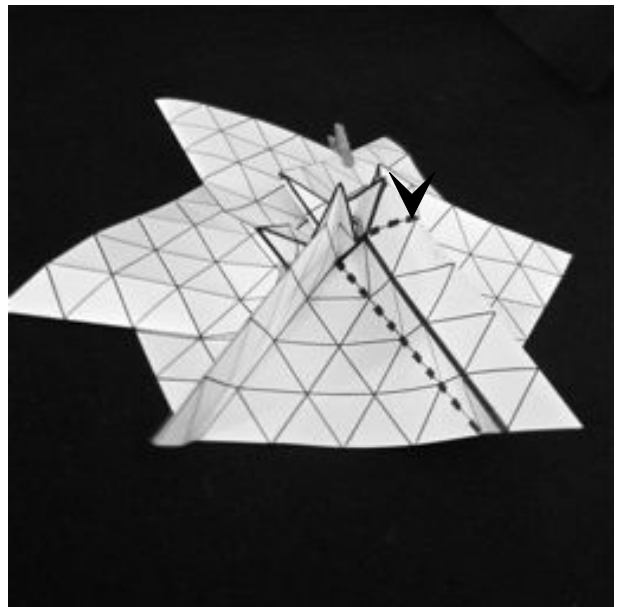
Résultat. *Result.*
 Répéter. *Repeat.*




11



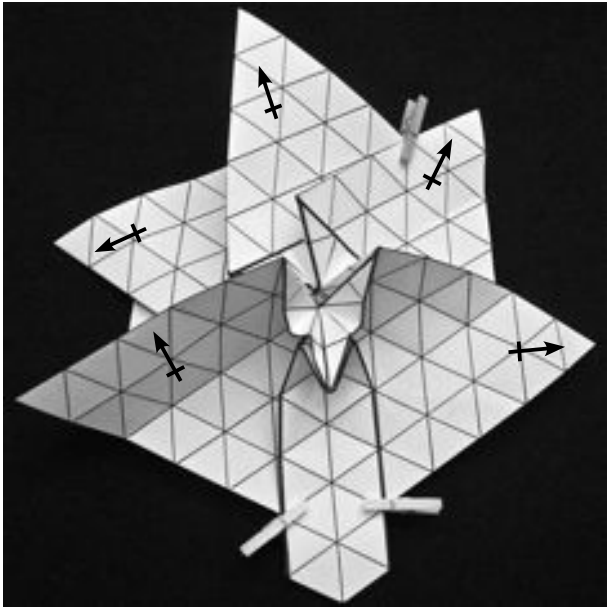
Résultat. *Result.*

12



 Pli montagne. *Mountain fold.*
 Pli vallée. *Valley fold.*
 Enfoncement. *Sink.*

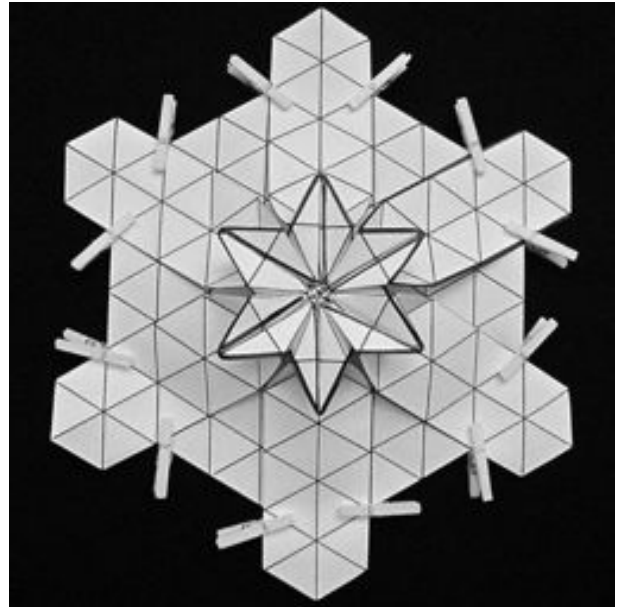
13



Résultat. *Result.*

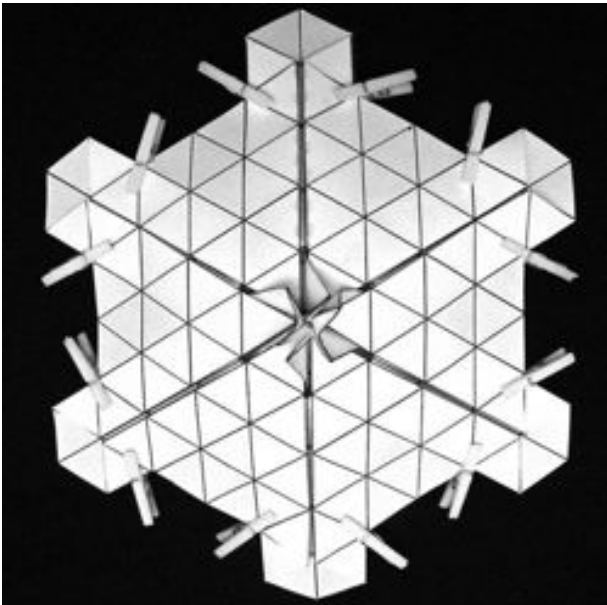
↔ Répéter. *Repeat.*

14



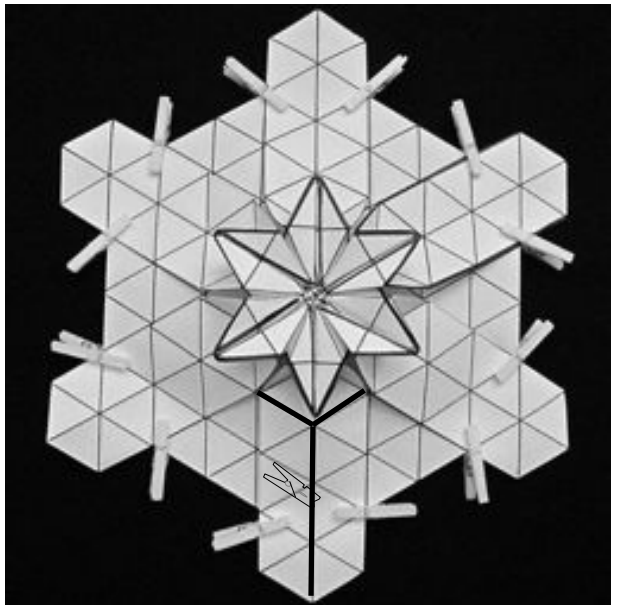
Résultat recto. *Result front view.*

15




Résultat verso. *Result back view.*

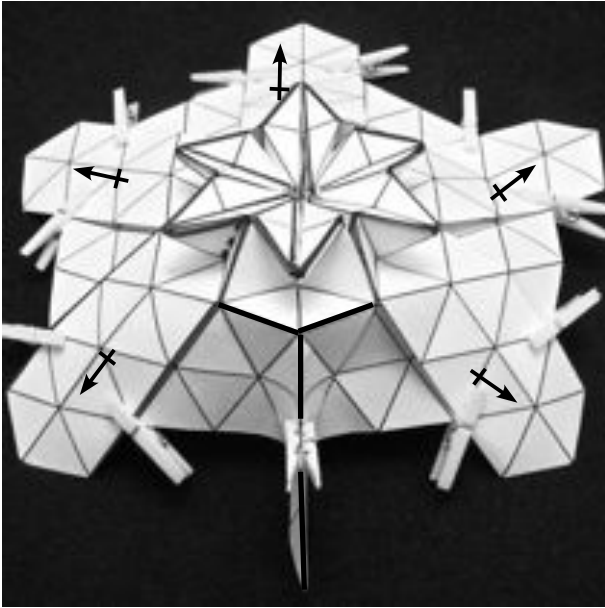
16



— Pli montagne. *Mountain fold.*

 Pincer les épaisseurs.
Pinch thicknesses.

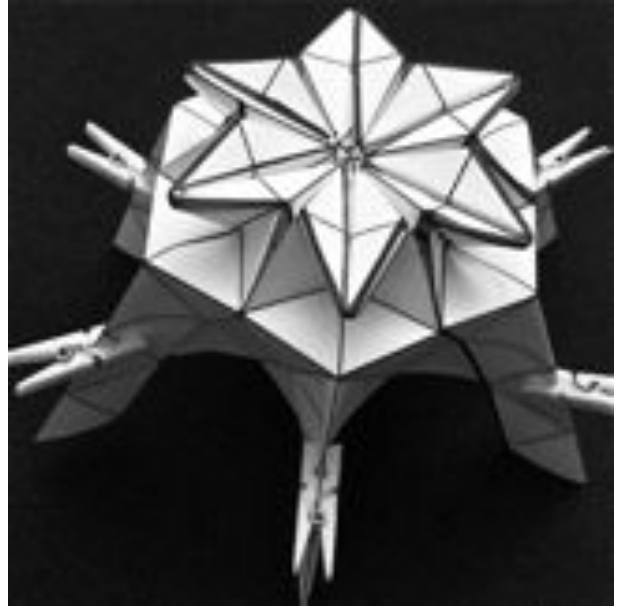
17



Résultat. *Result.*

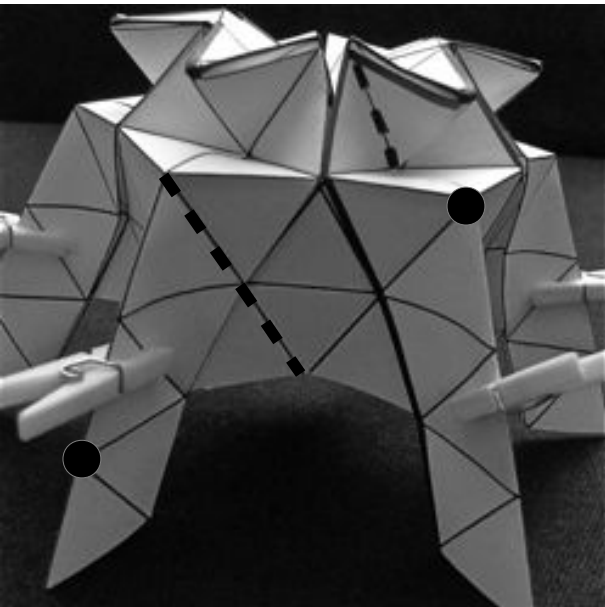
⊕ → Répéter. *Repeat.*

18



Résultat. *Result.*

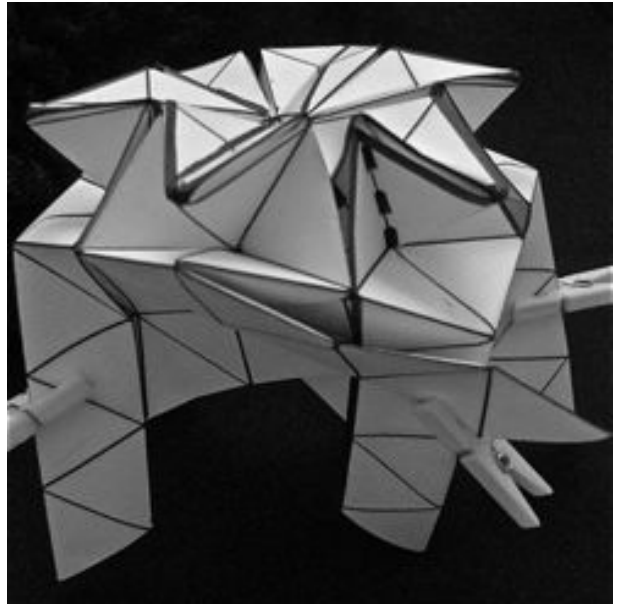
19



----- Pli vallée. *Valley fold.*

● Faire coïncider les points. *Align points.*

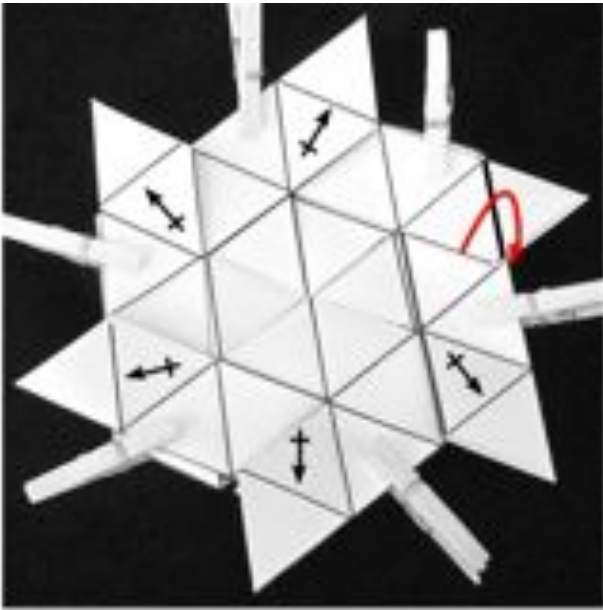
20




Résultat. *Result.*

≡ → Répéter 5 fois. *Repeat 5 times.*

21



Résultat verso. *Result back view.*

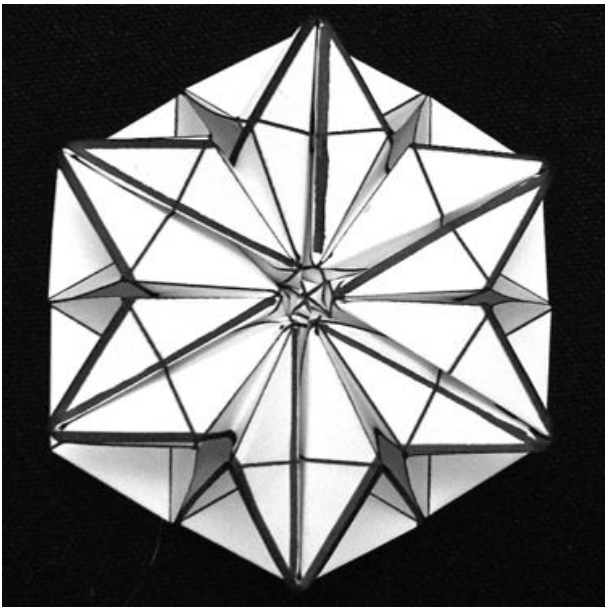
 Insérer dans la poche *Insert in the pocket.*

22



Résultat final verso.
Result final back view.

23



Résultat final recto. *Result final front view.*