

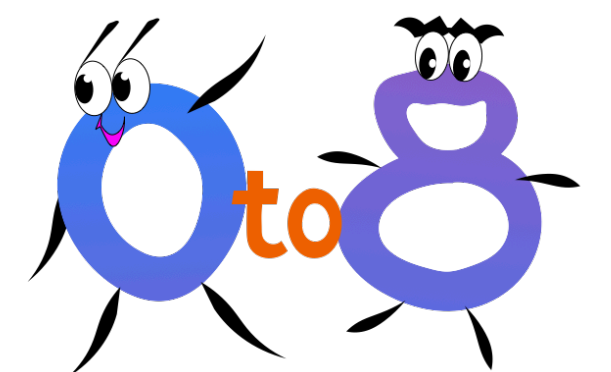
Got Paper? Got Math! Continued

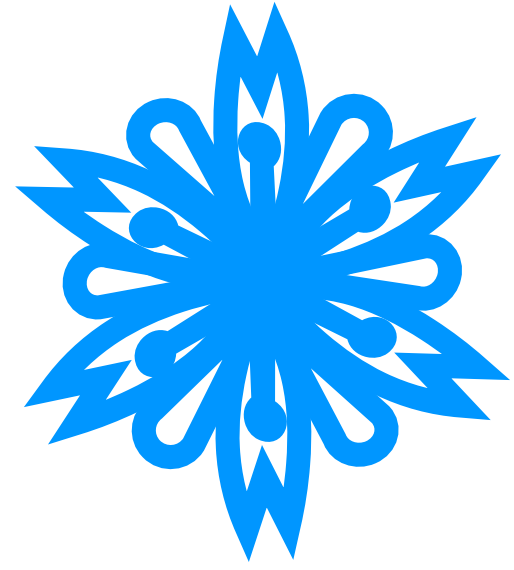


Lisa Grant

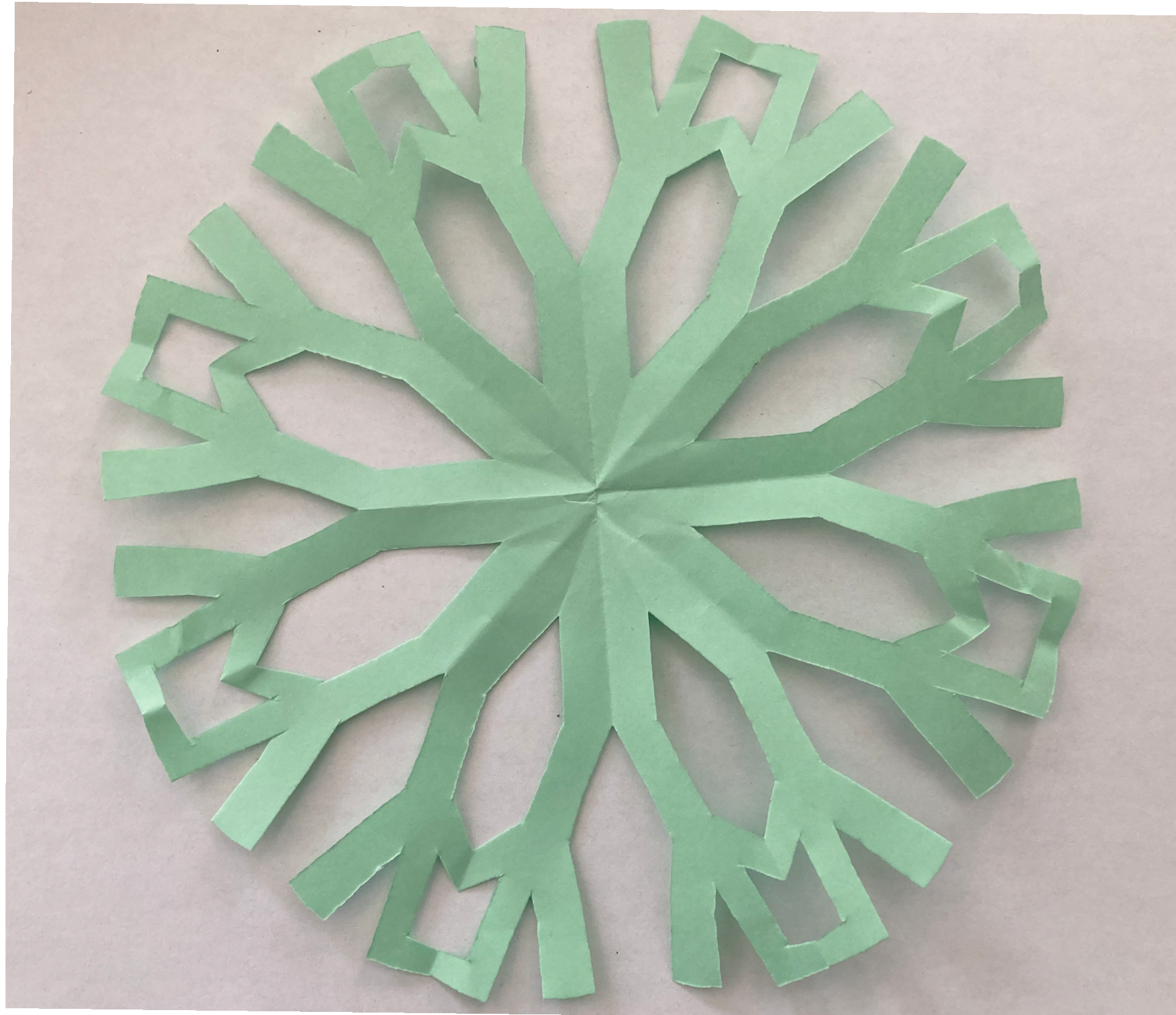


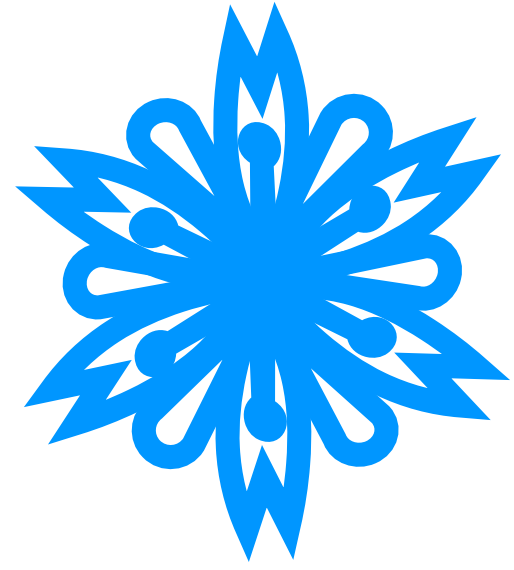
Carolyn Pfister





Kirigami: Paper Folding and Cutting





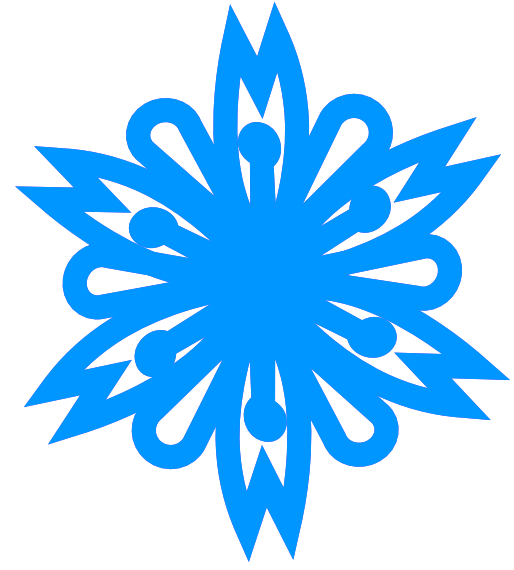
Please:

Grab paper and scissors

Try the activity

Contribute to the chat and jamboard

<https://bit.ly/3qJdCpl>

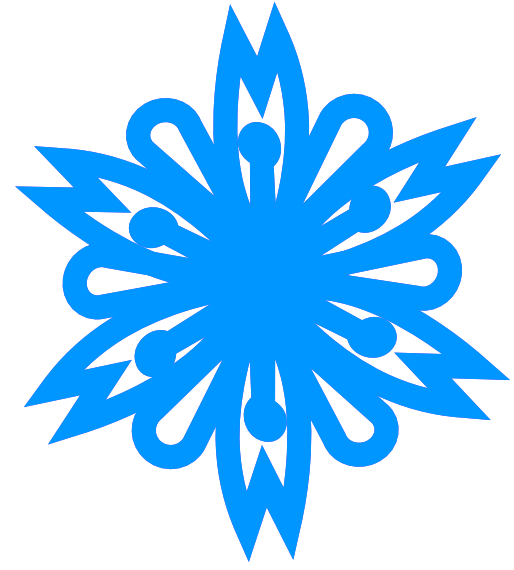


Symmetry with halves

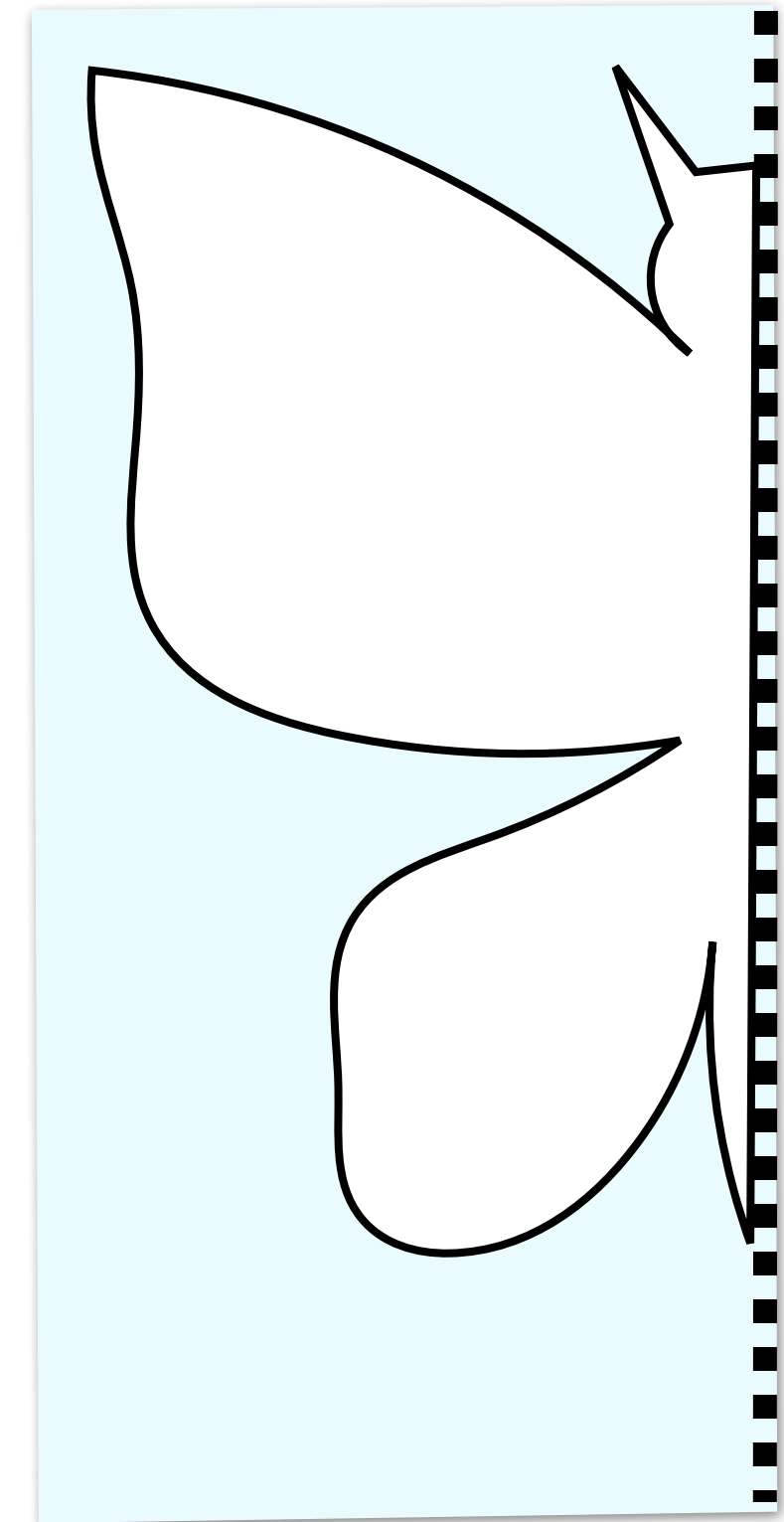
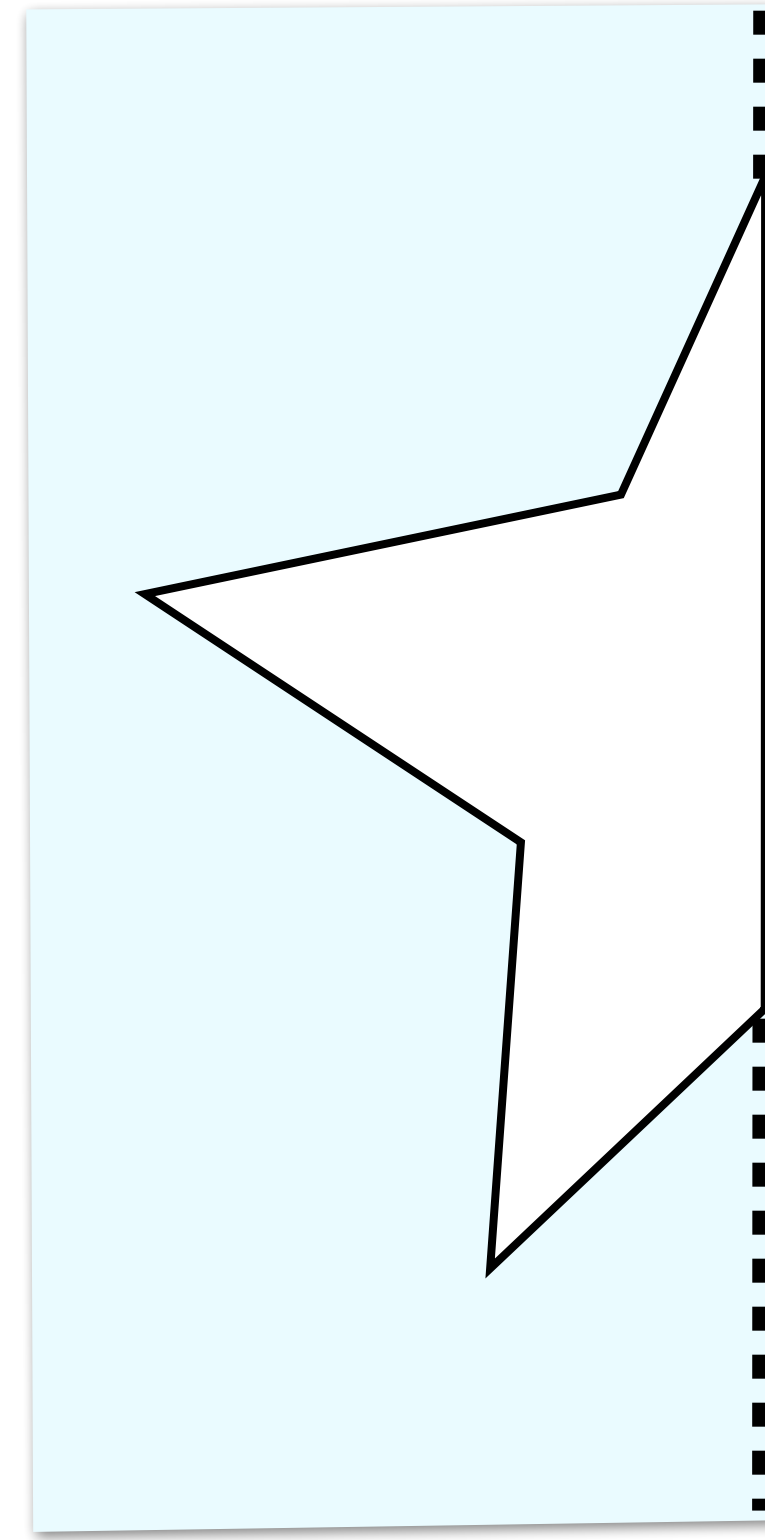
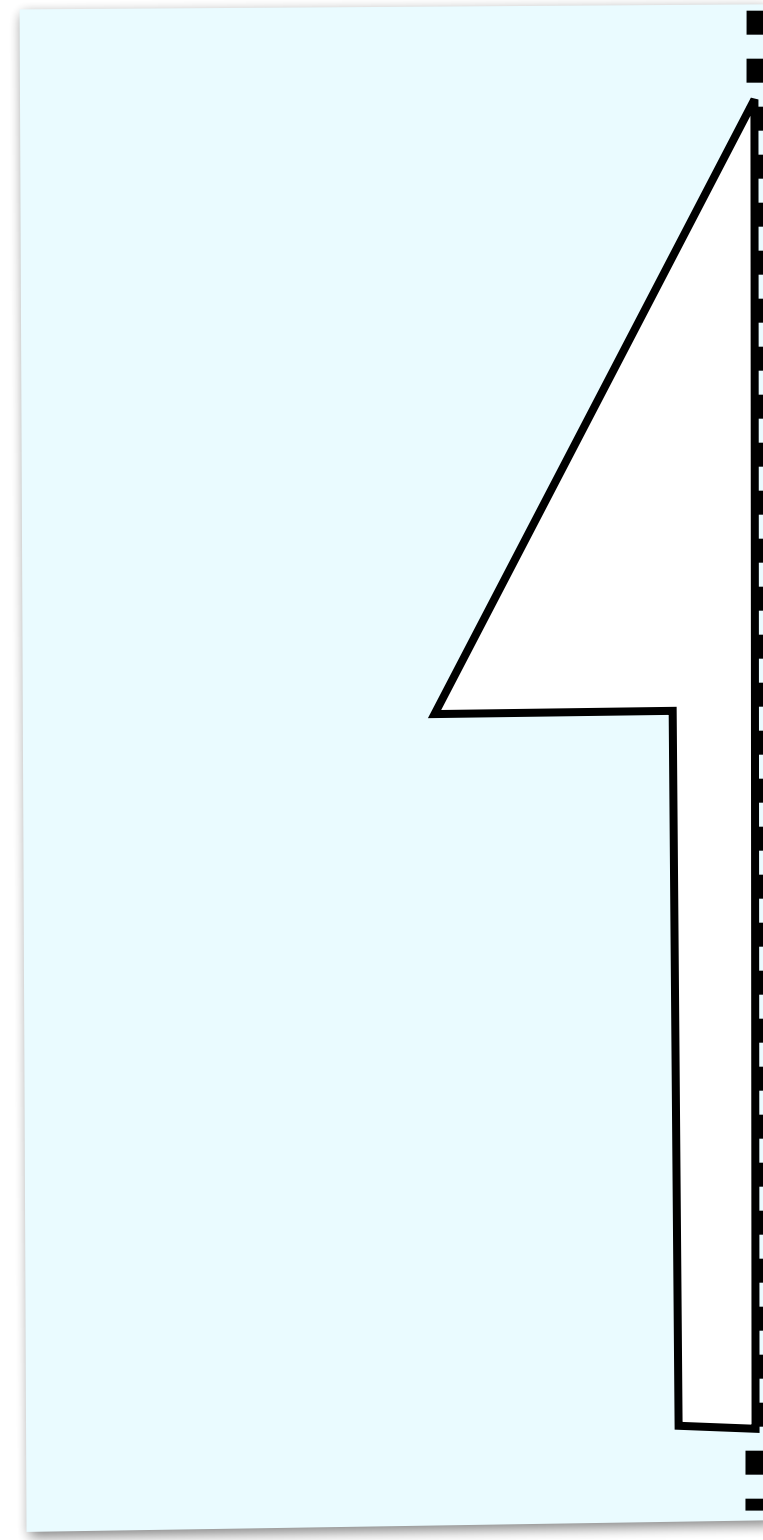
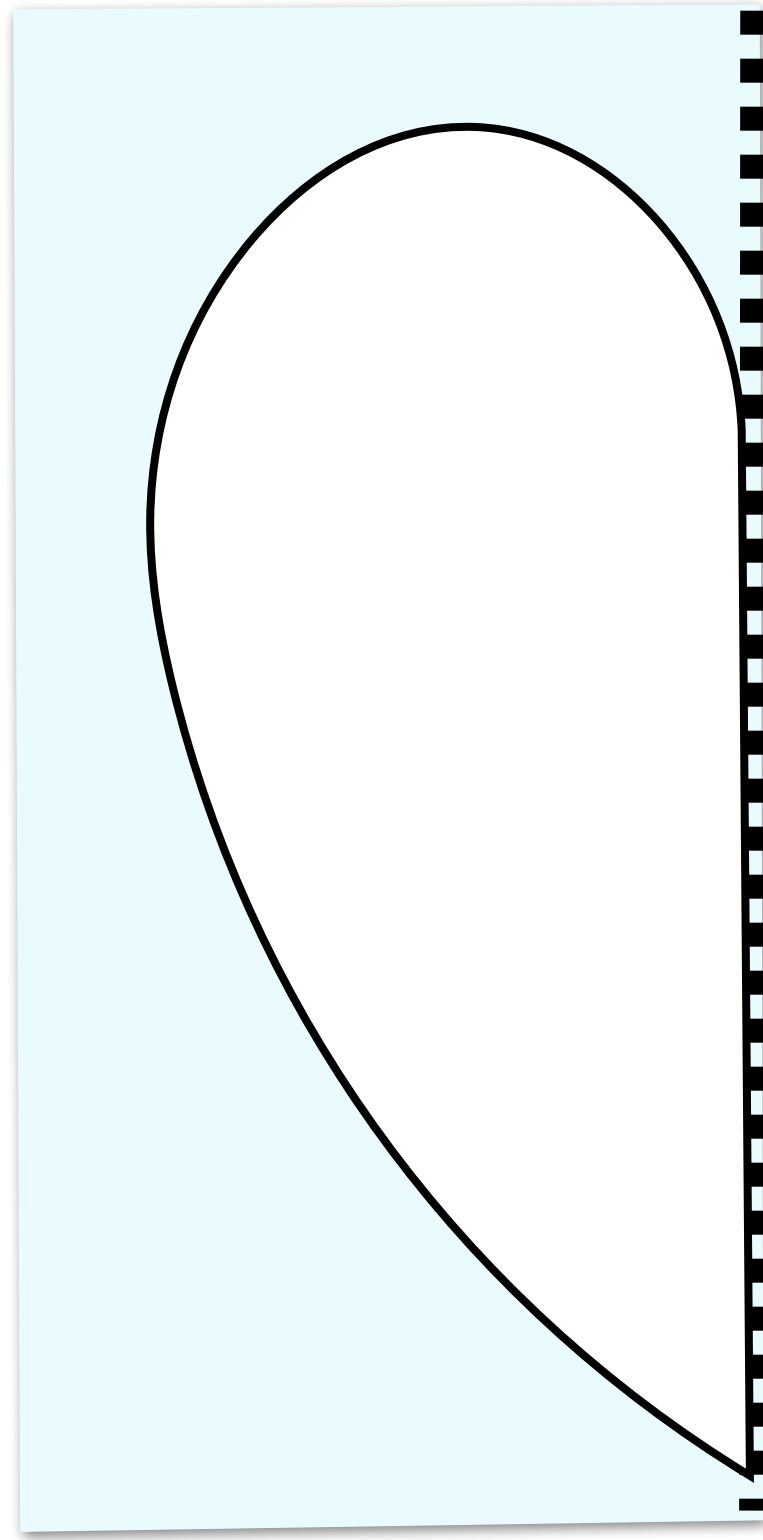
Start with a rectangular piece of paper

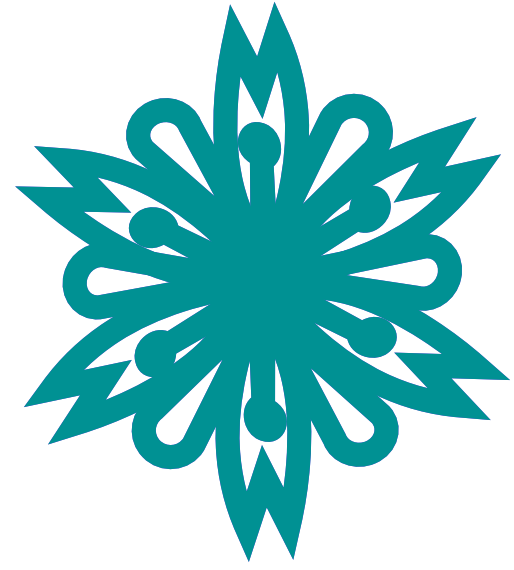
Fold in half





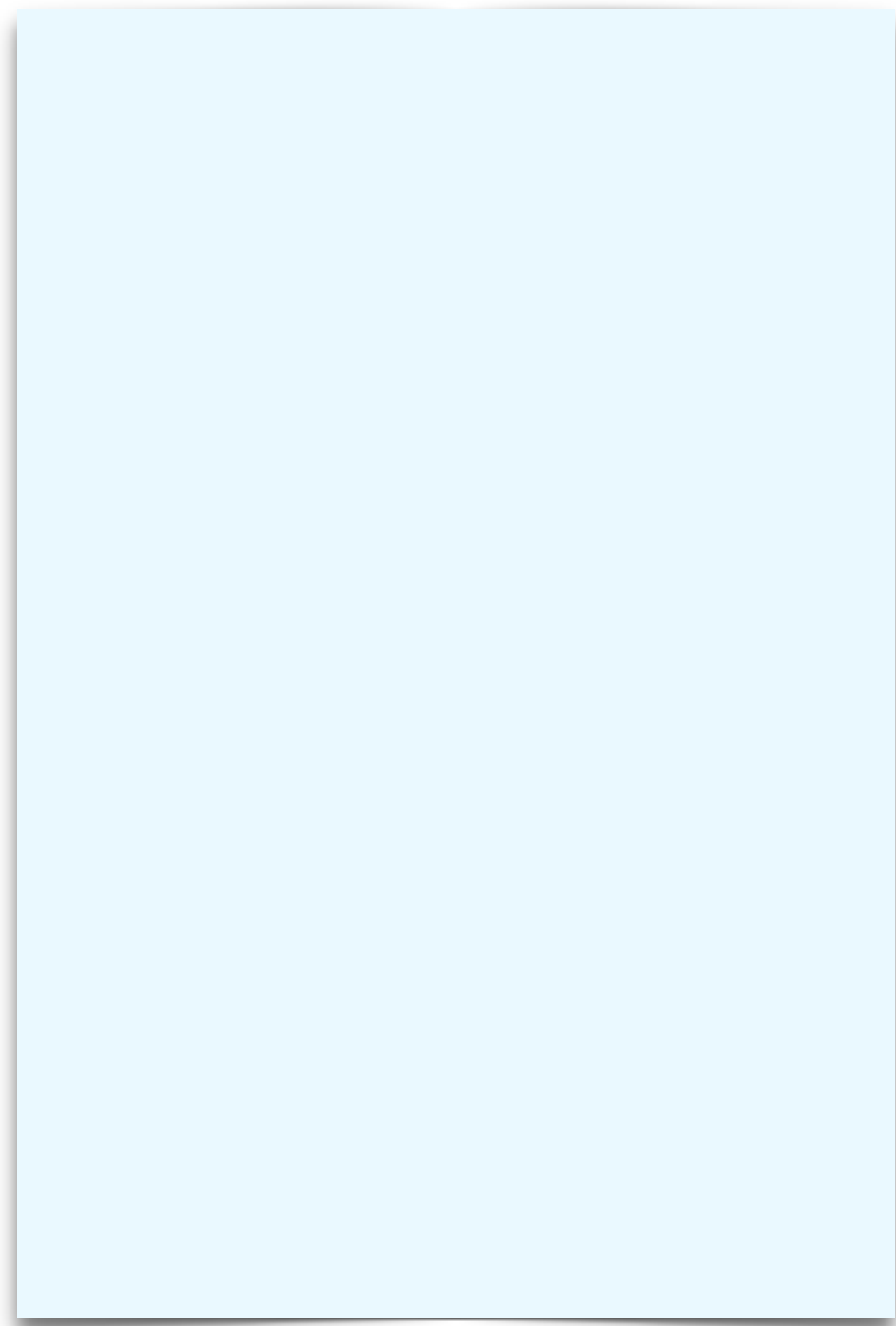
Try one of these designs or make one of your own
Share your creation: <https://bit.ly/3qJdCpl>



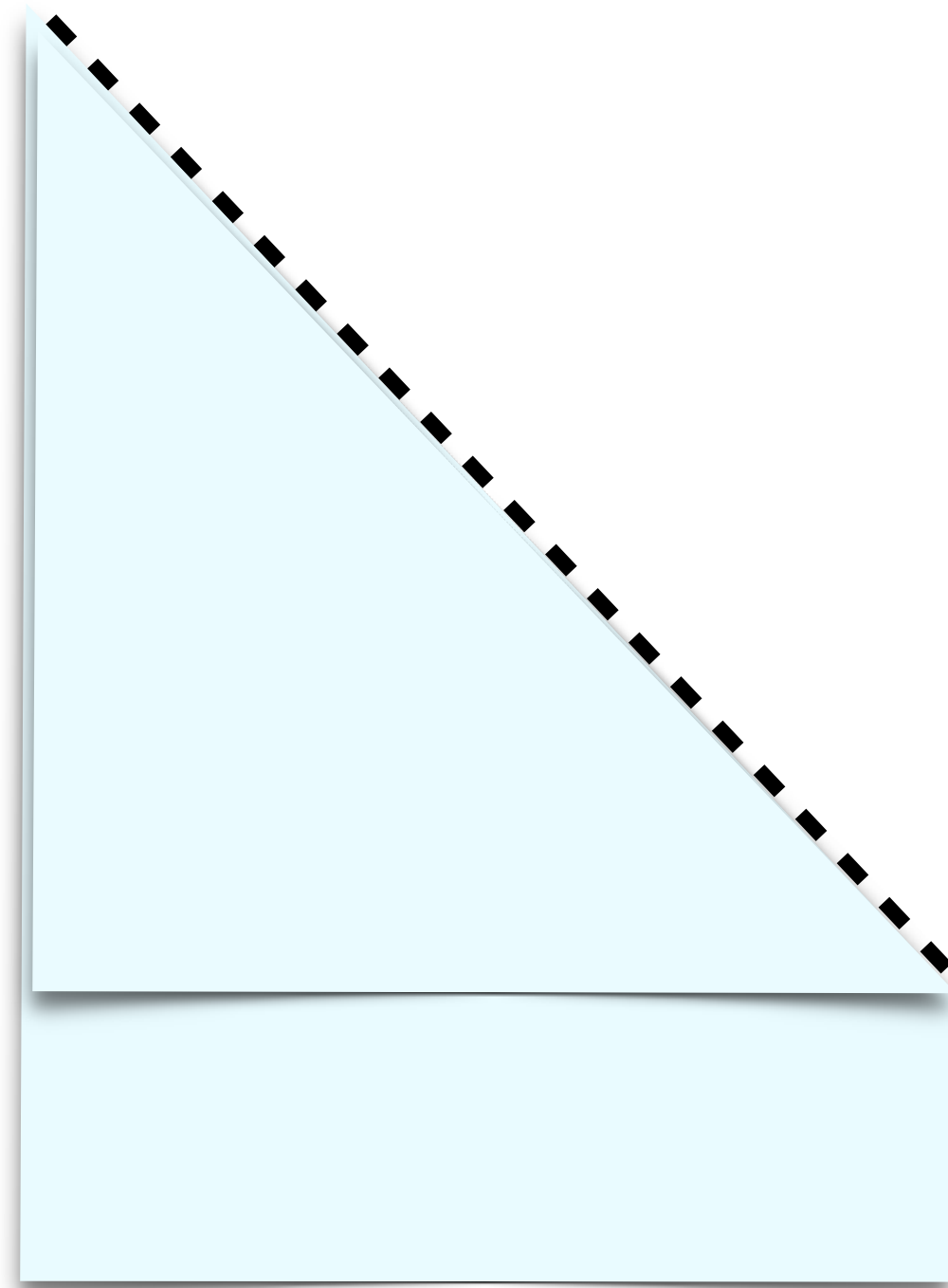


Symmetry with quarters

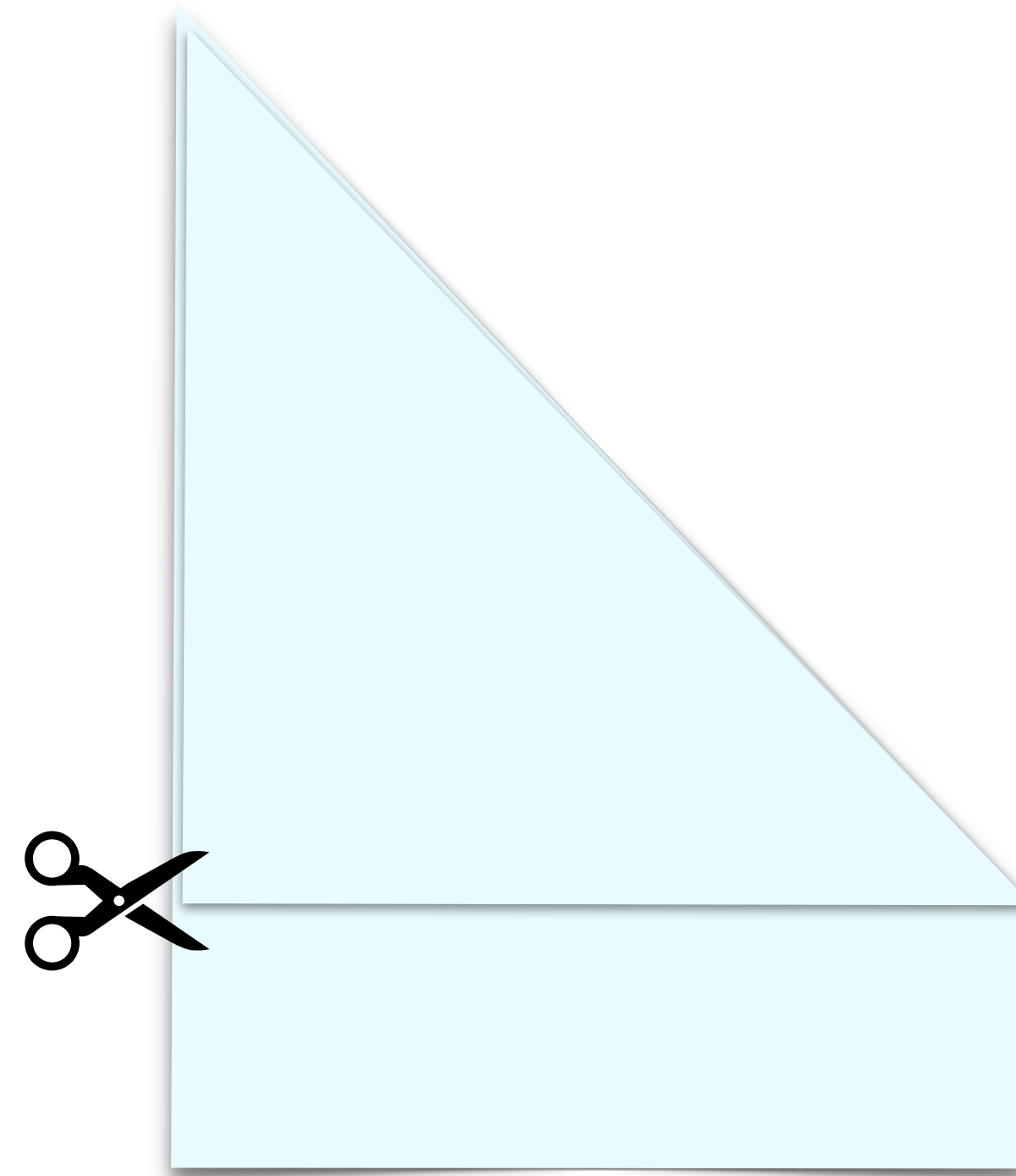
Start with a square piece of paper



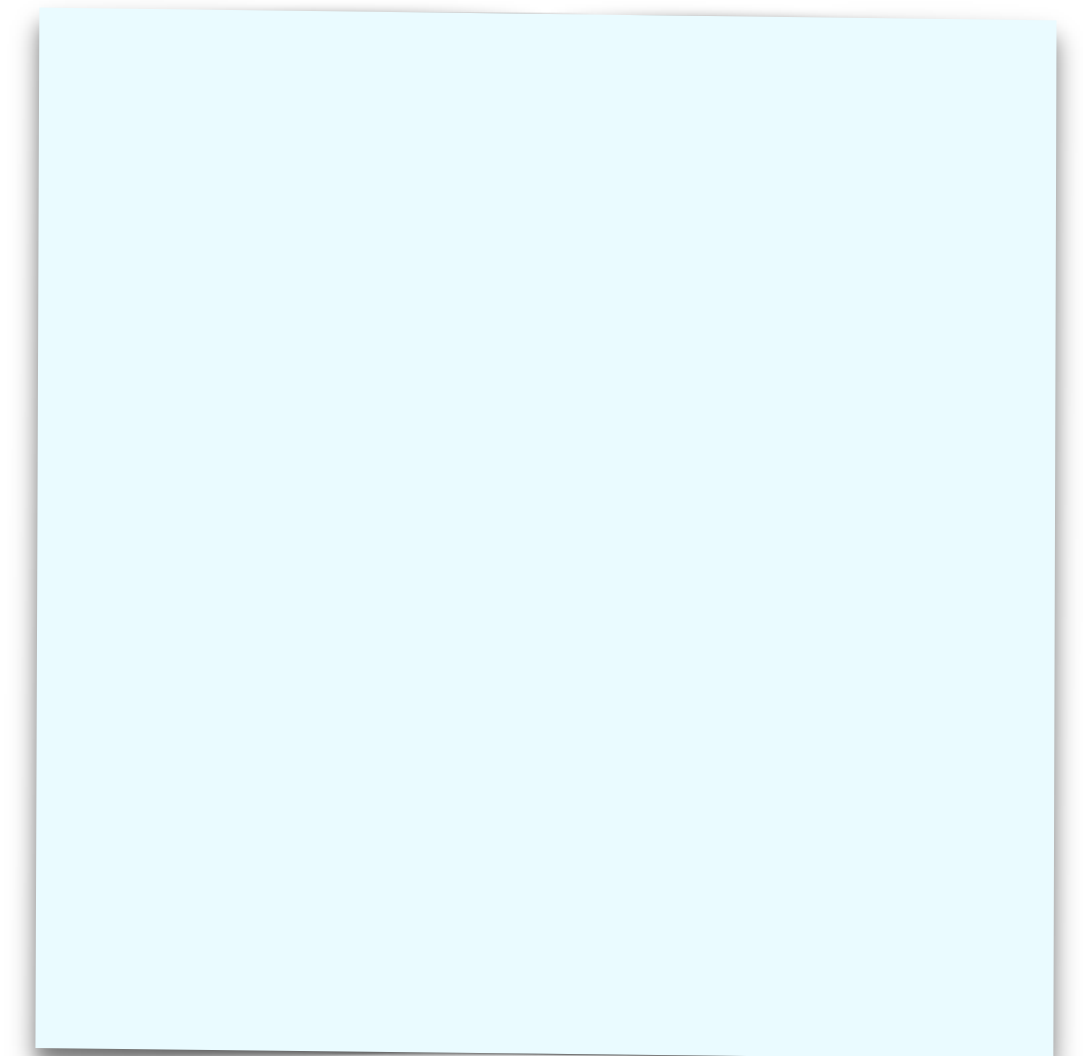
Rectangle



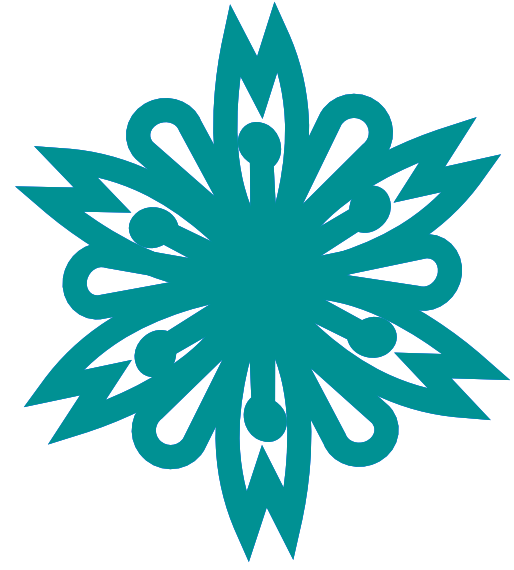
Fold



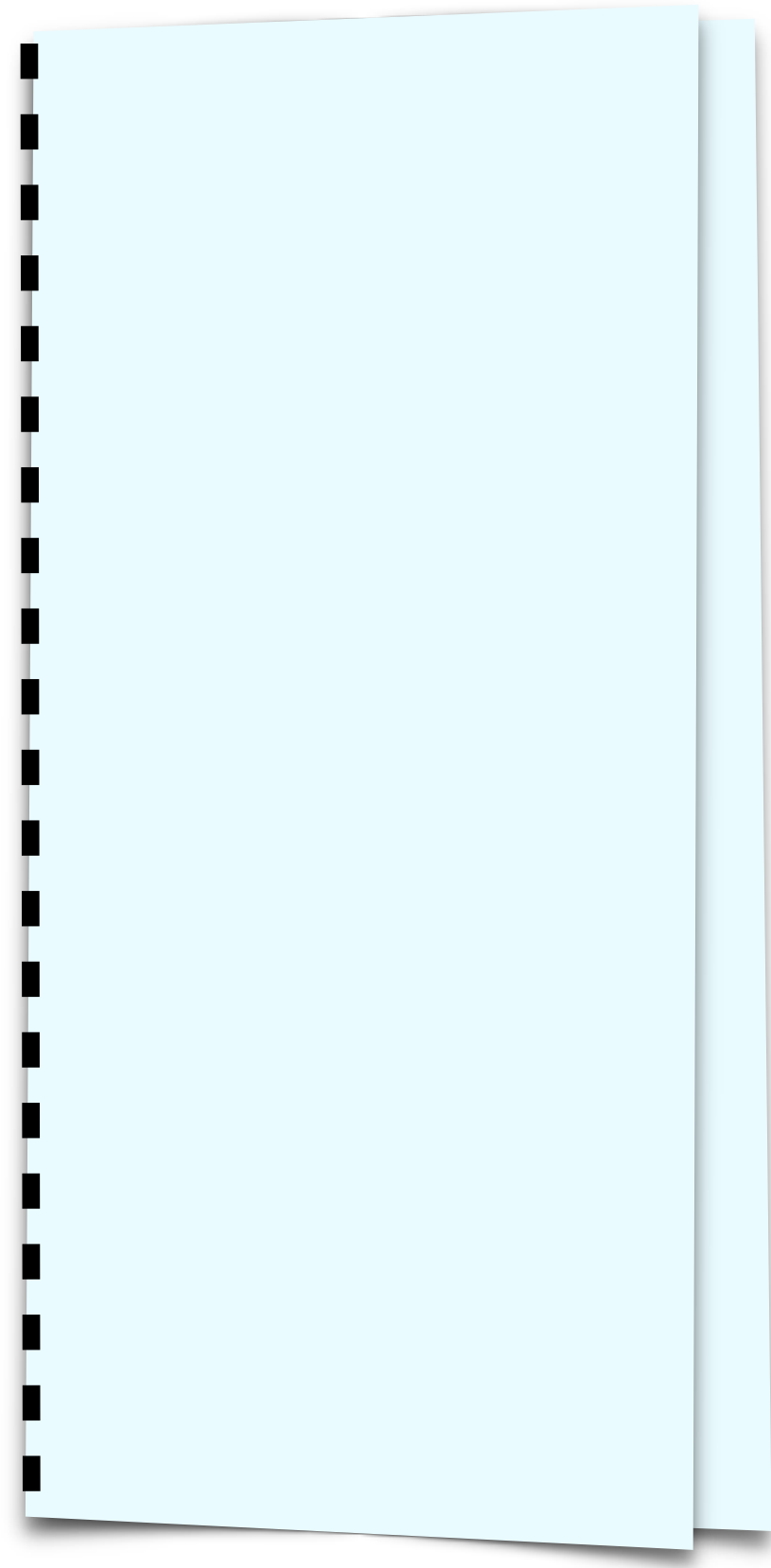
Cut

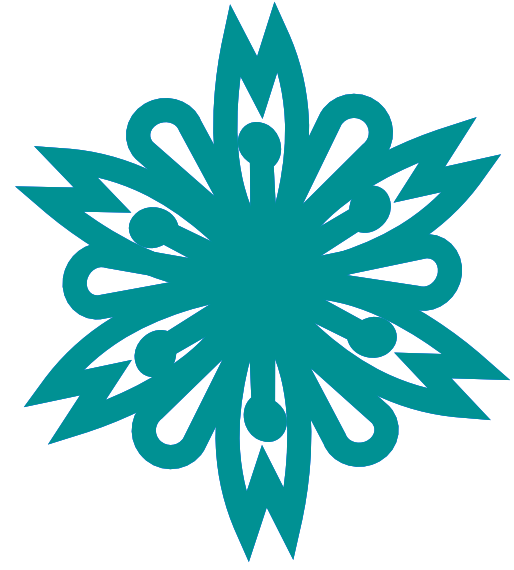


Open

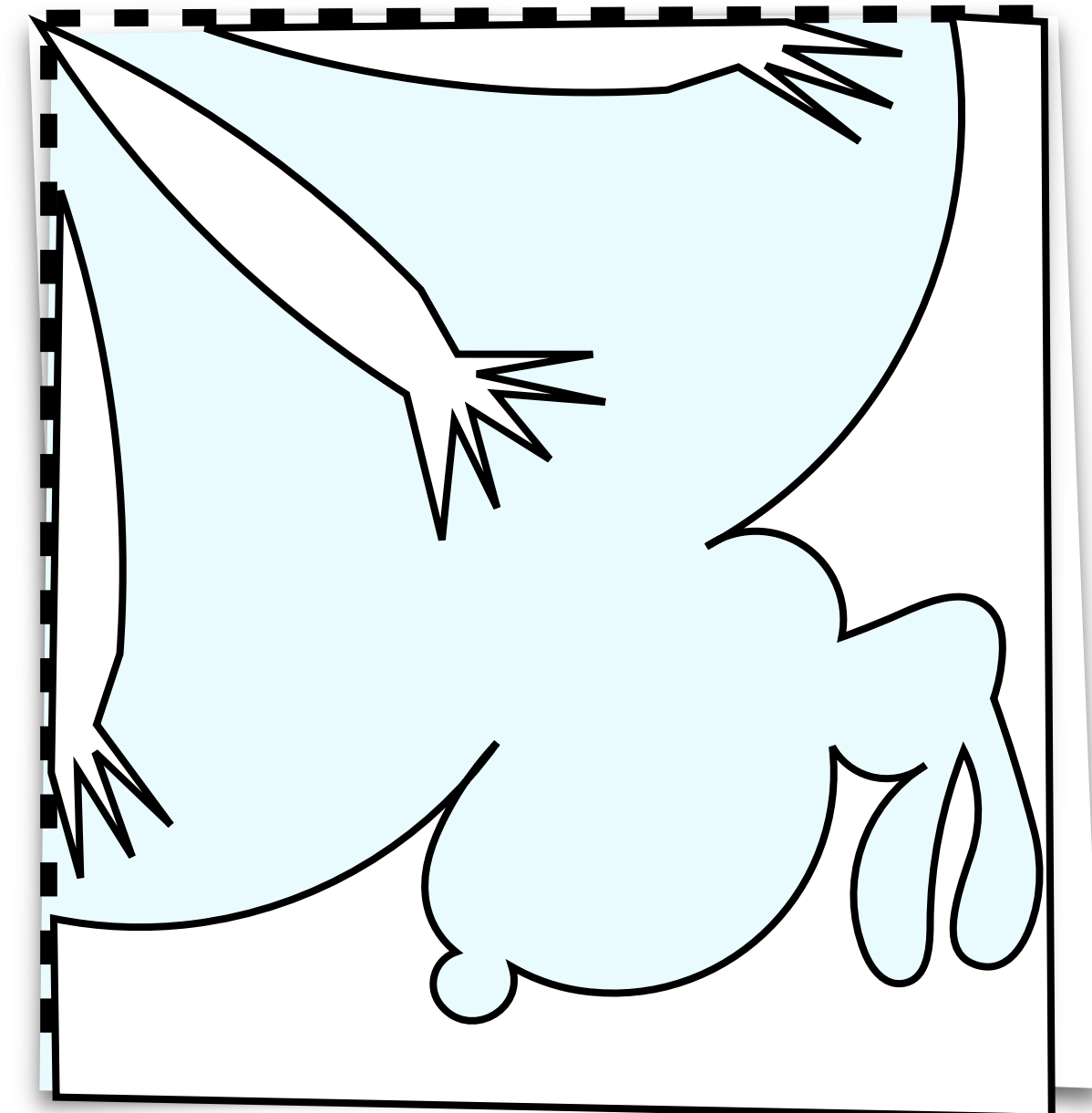
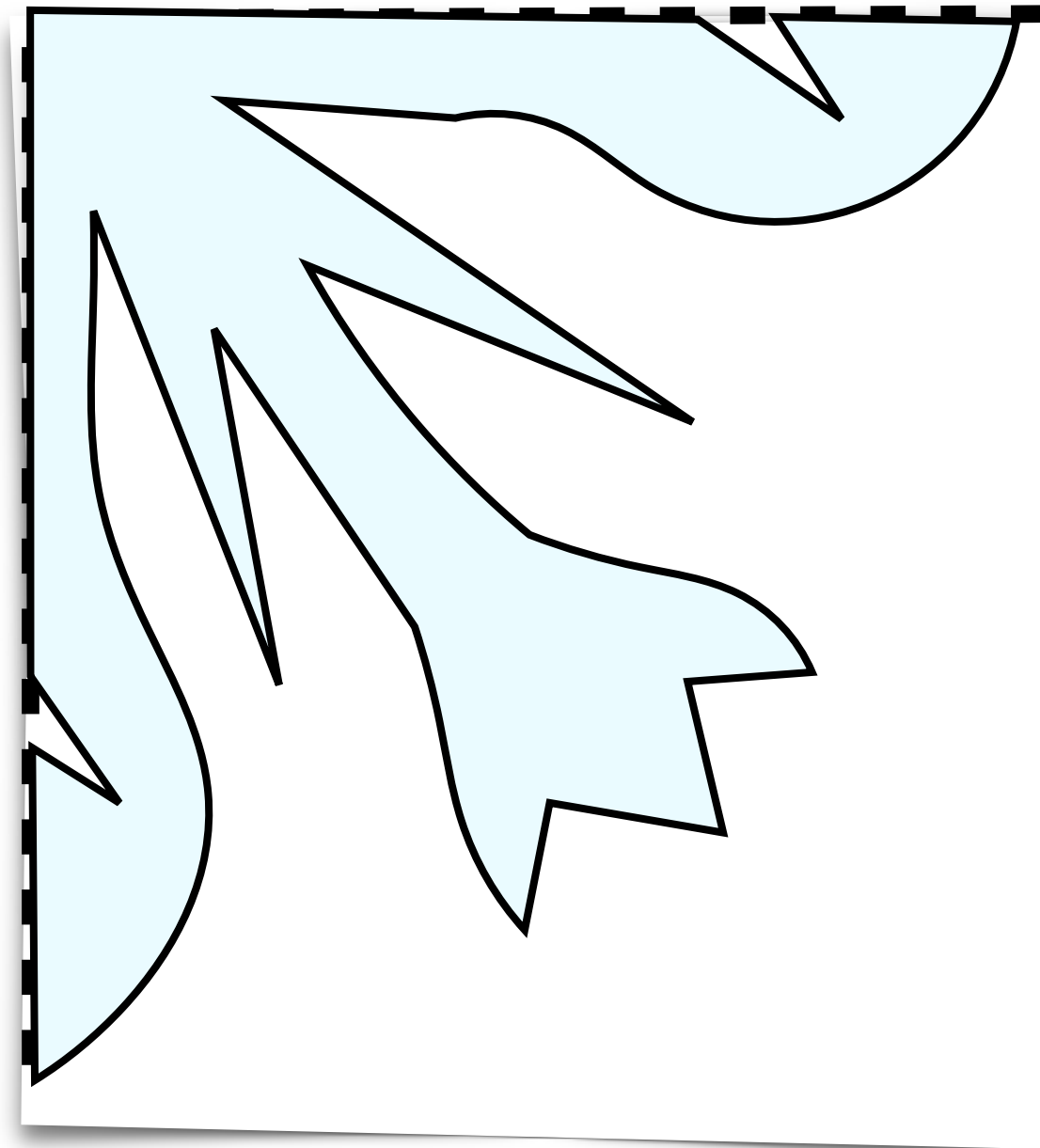
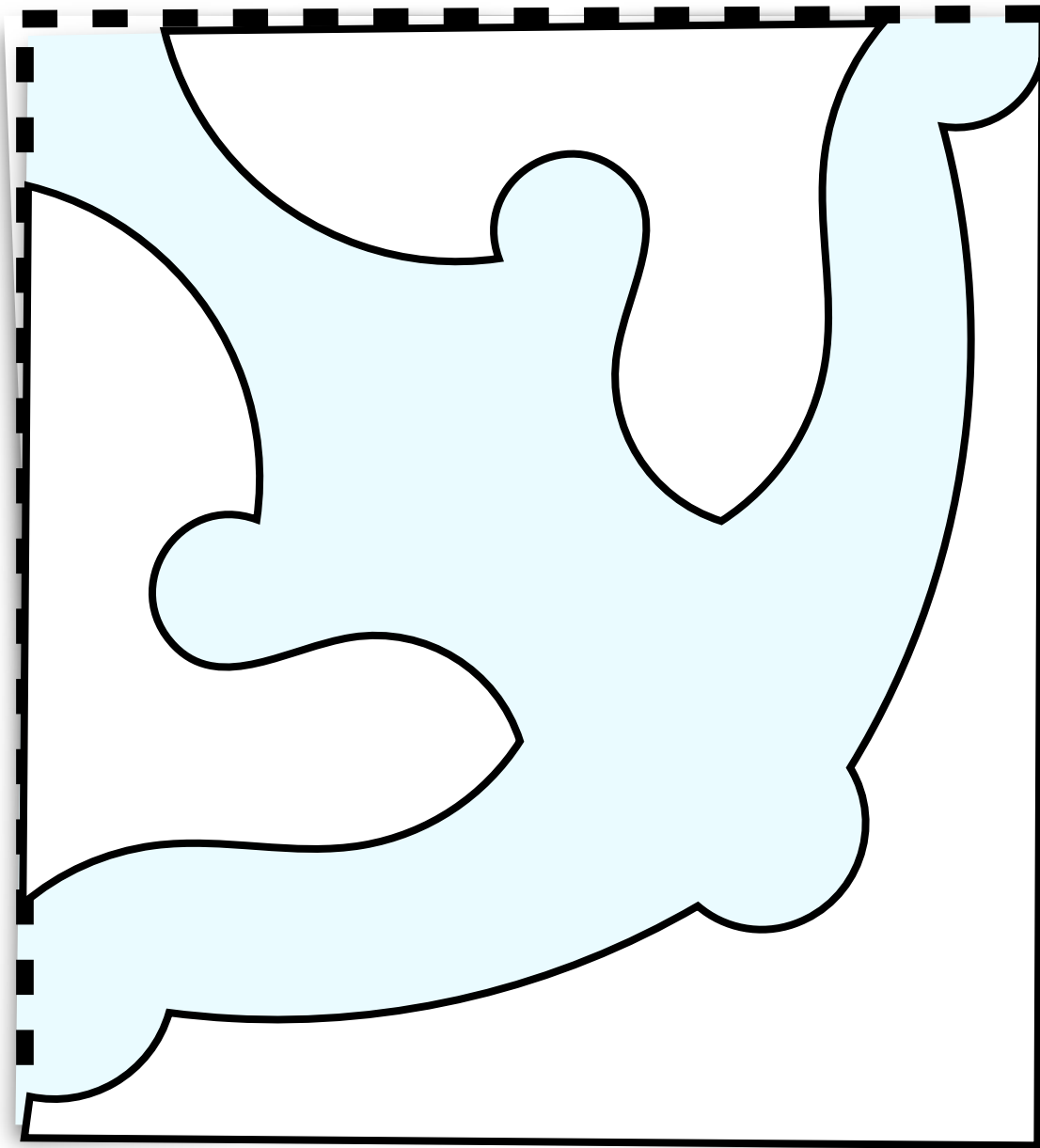


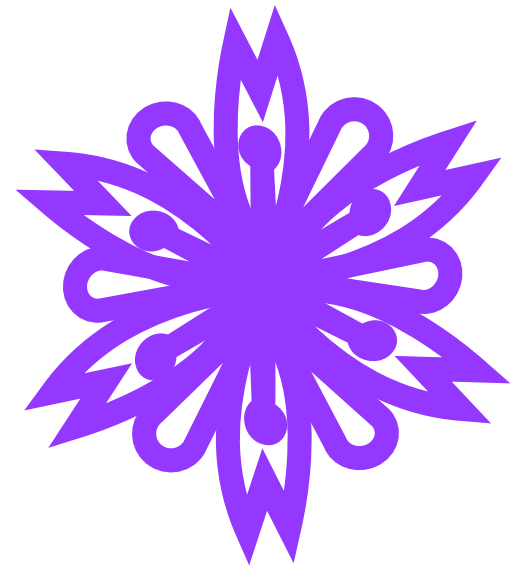
Fold the square in half and in half again



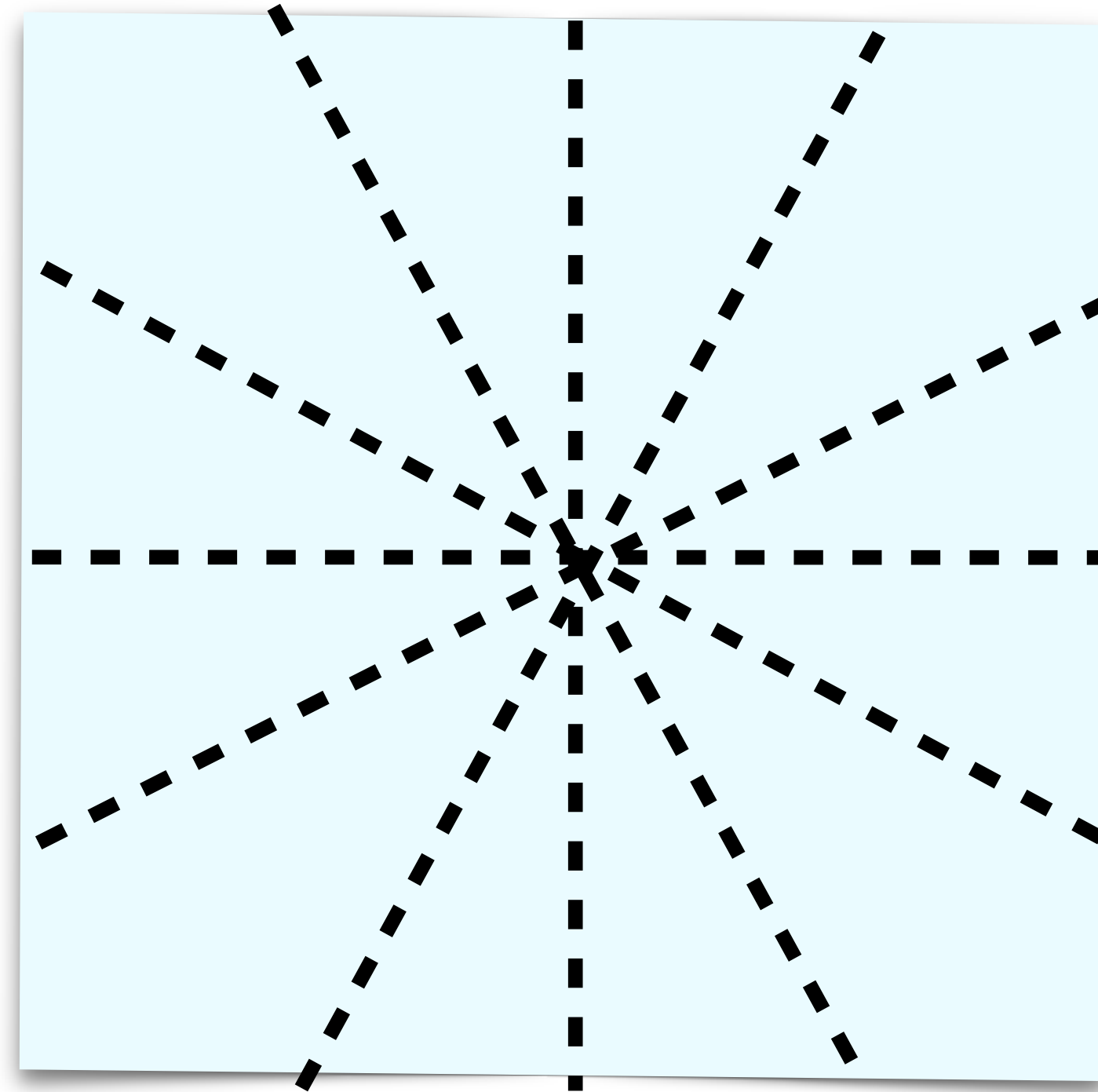


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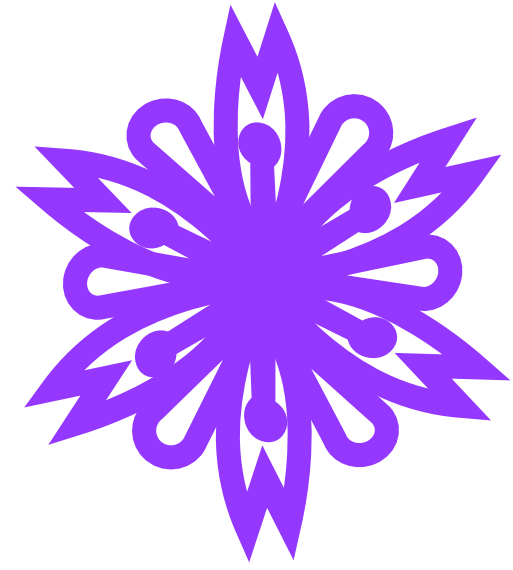




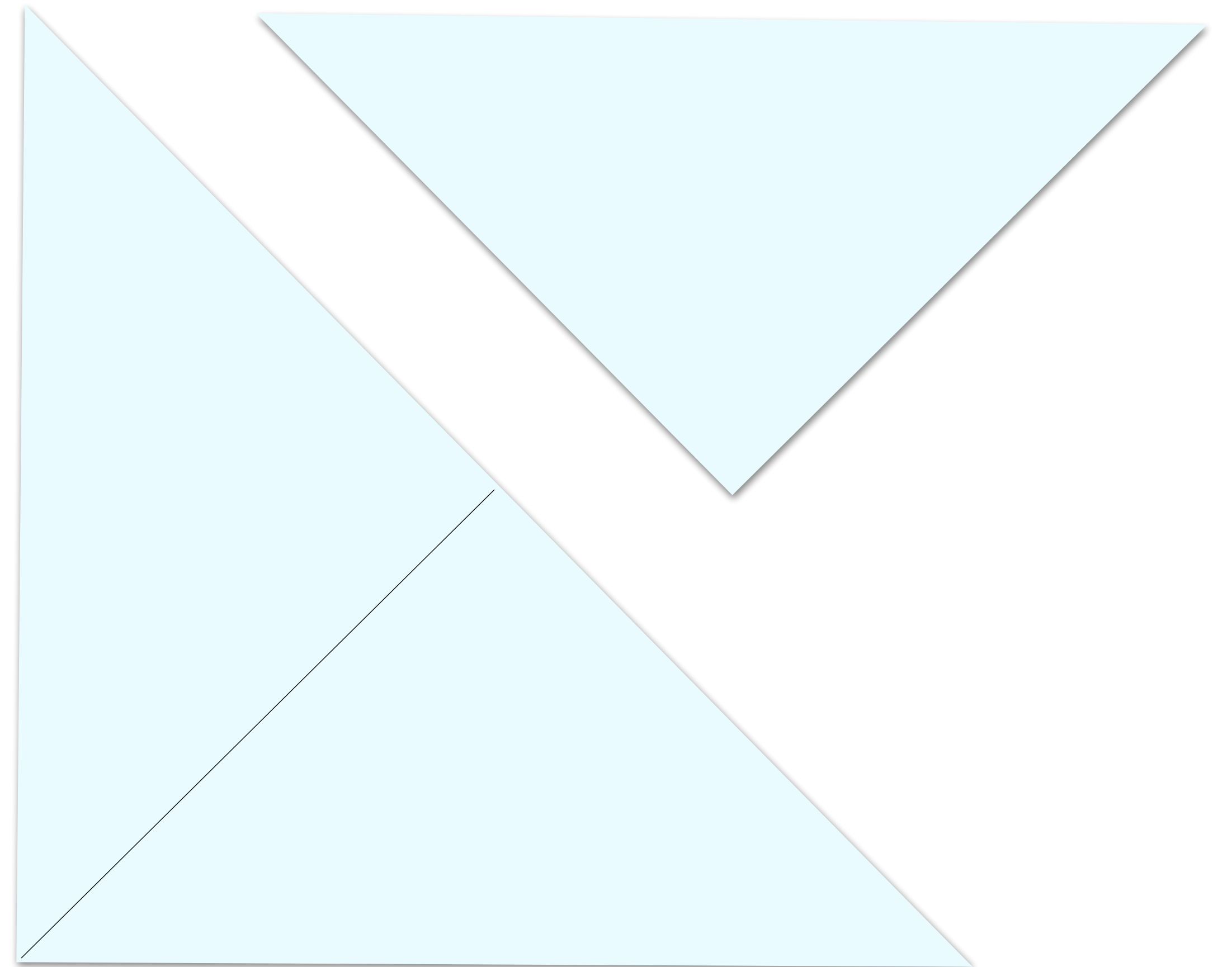
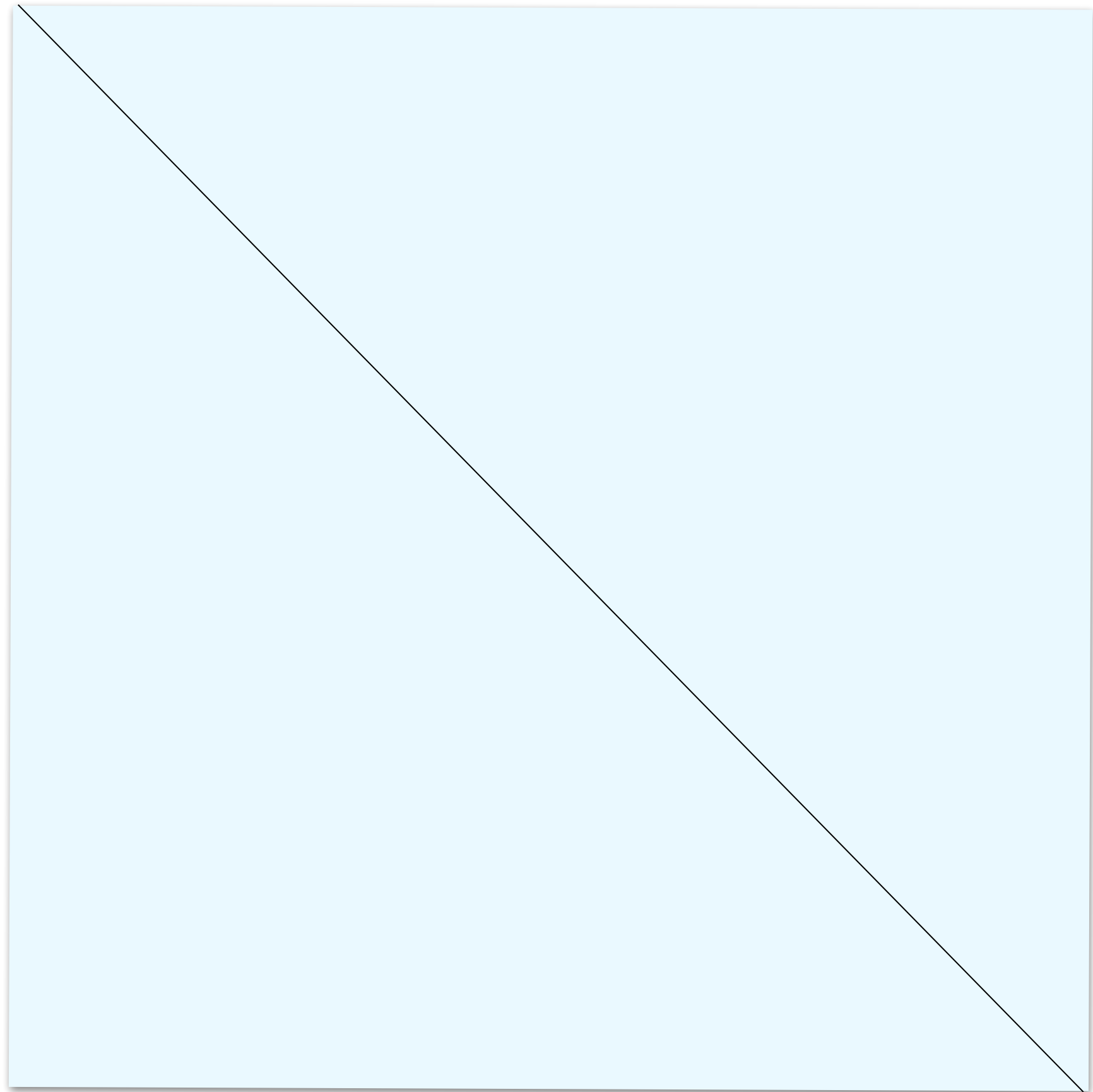
Symmetry with more folds

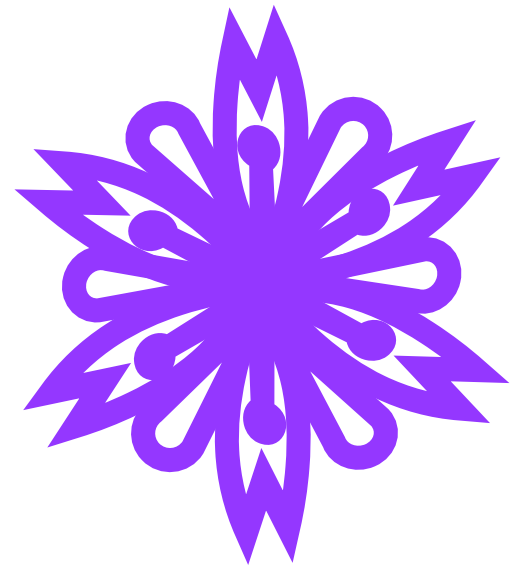


With 12 sections

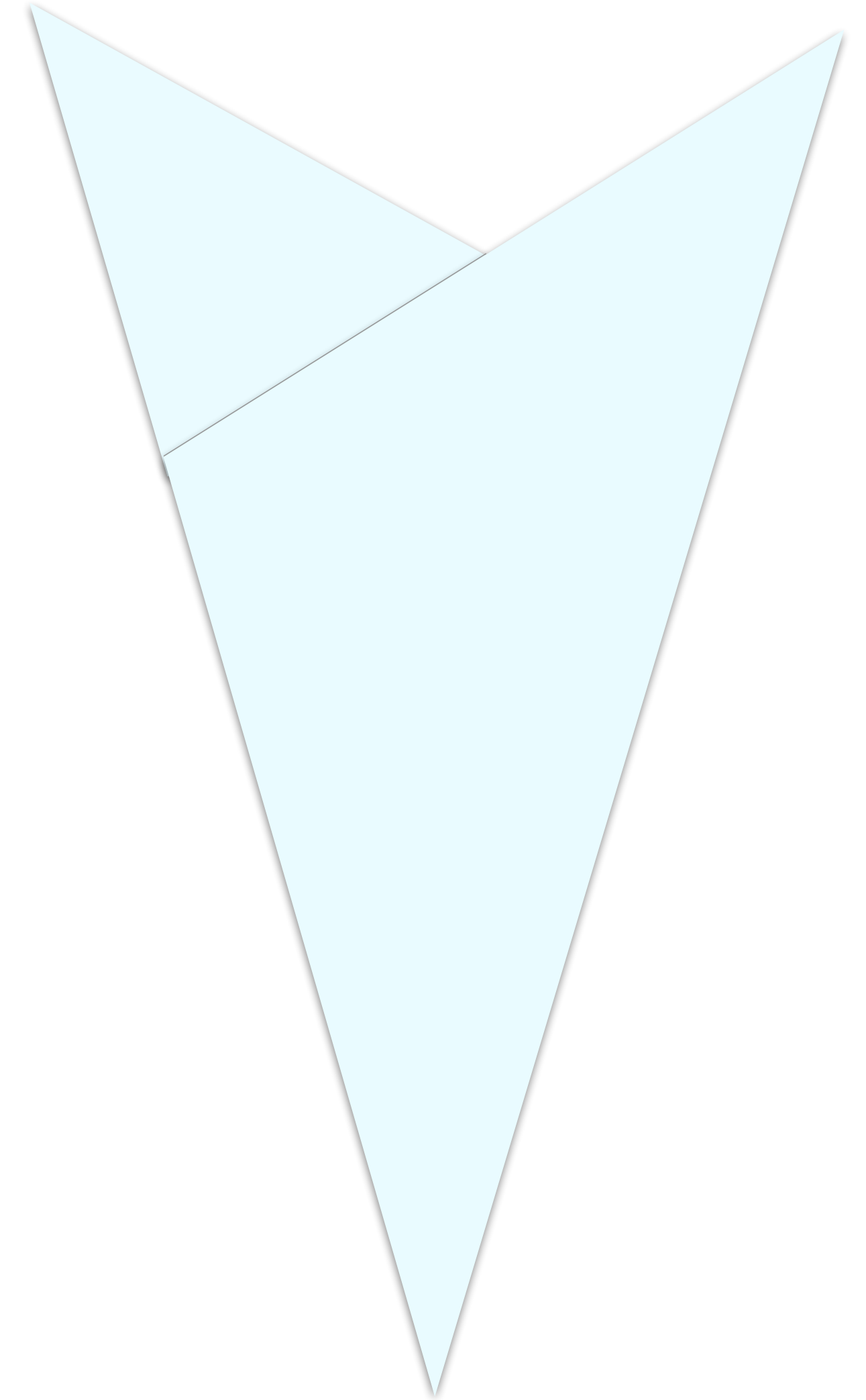
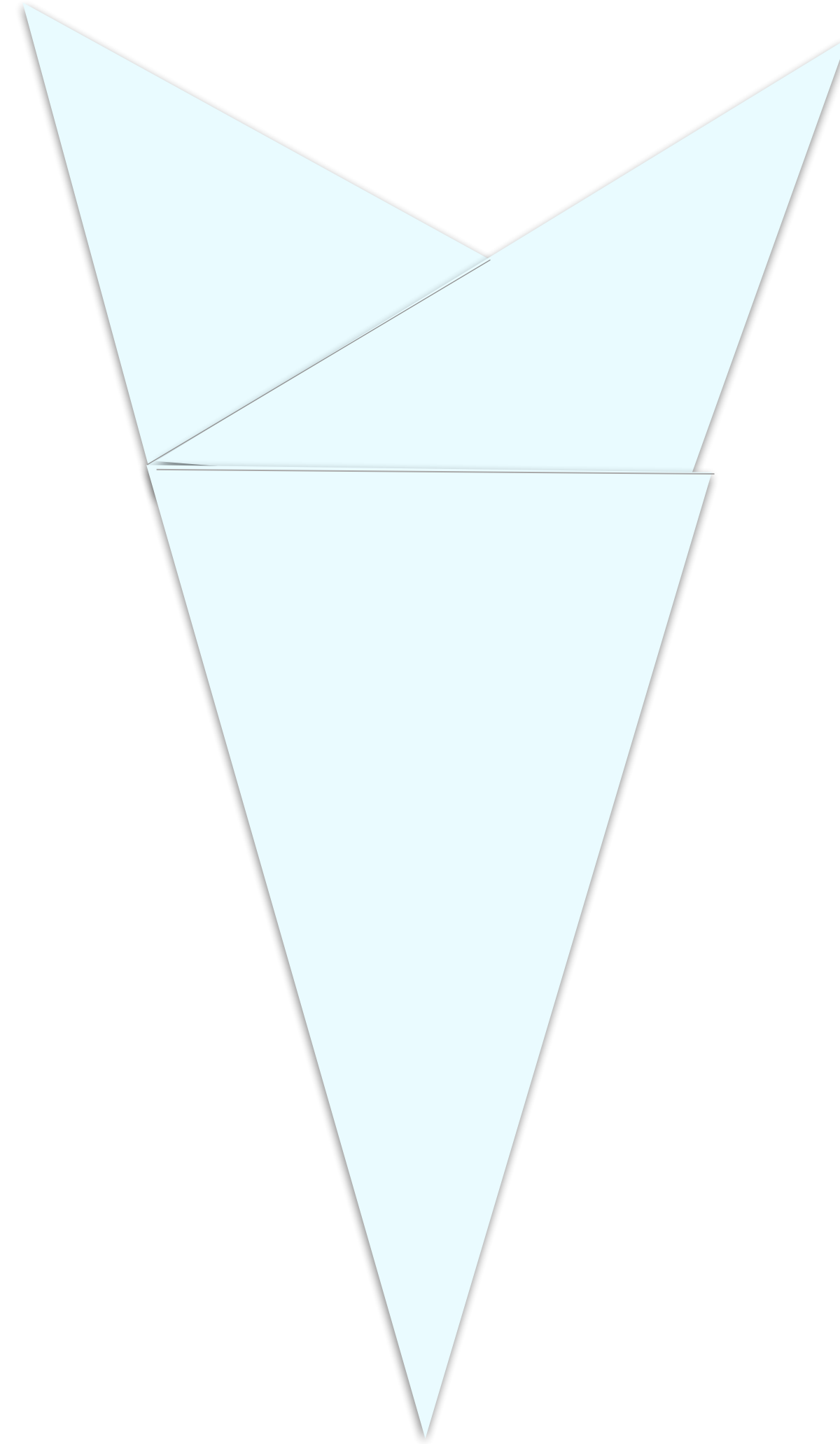


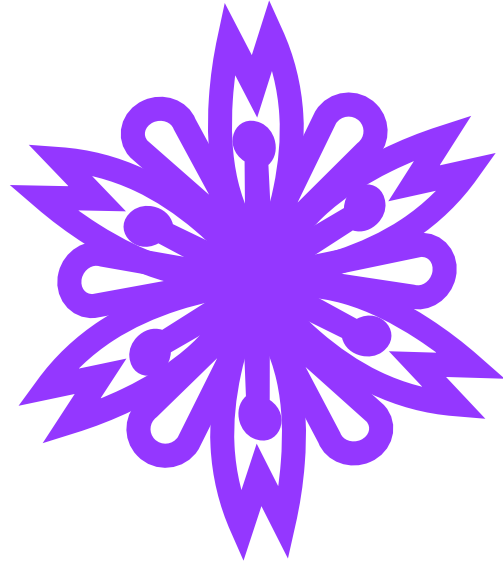
Symmetry with 12 sections
Fold the square in half
Fold it in half again



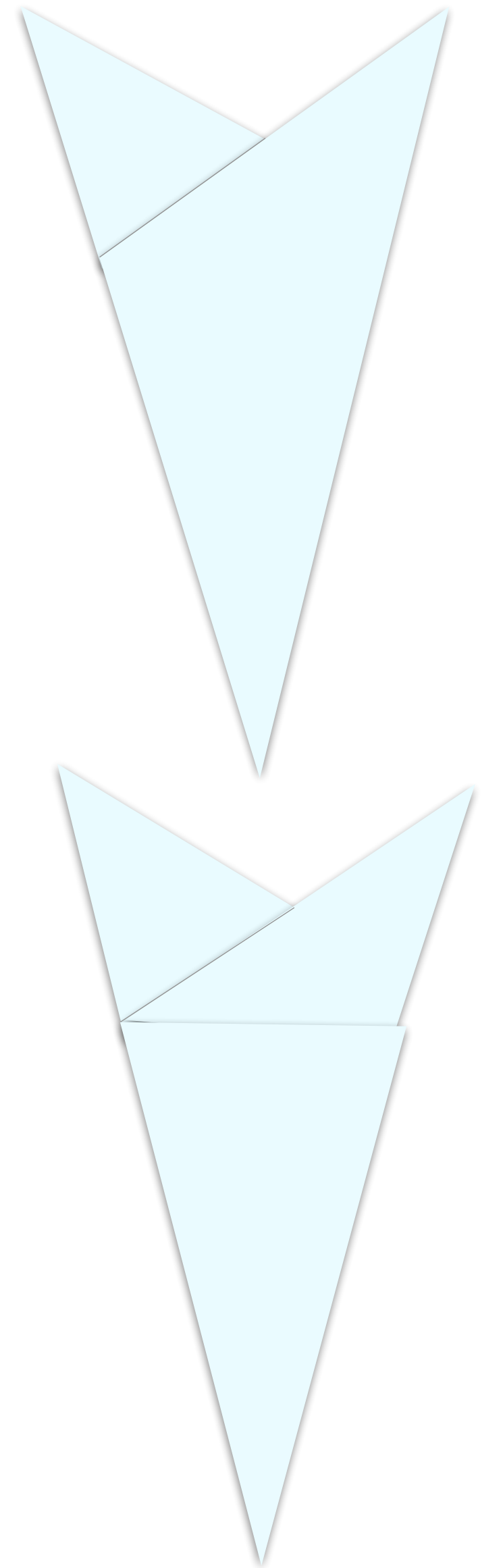
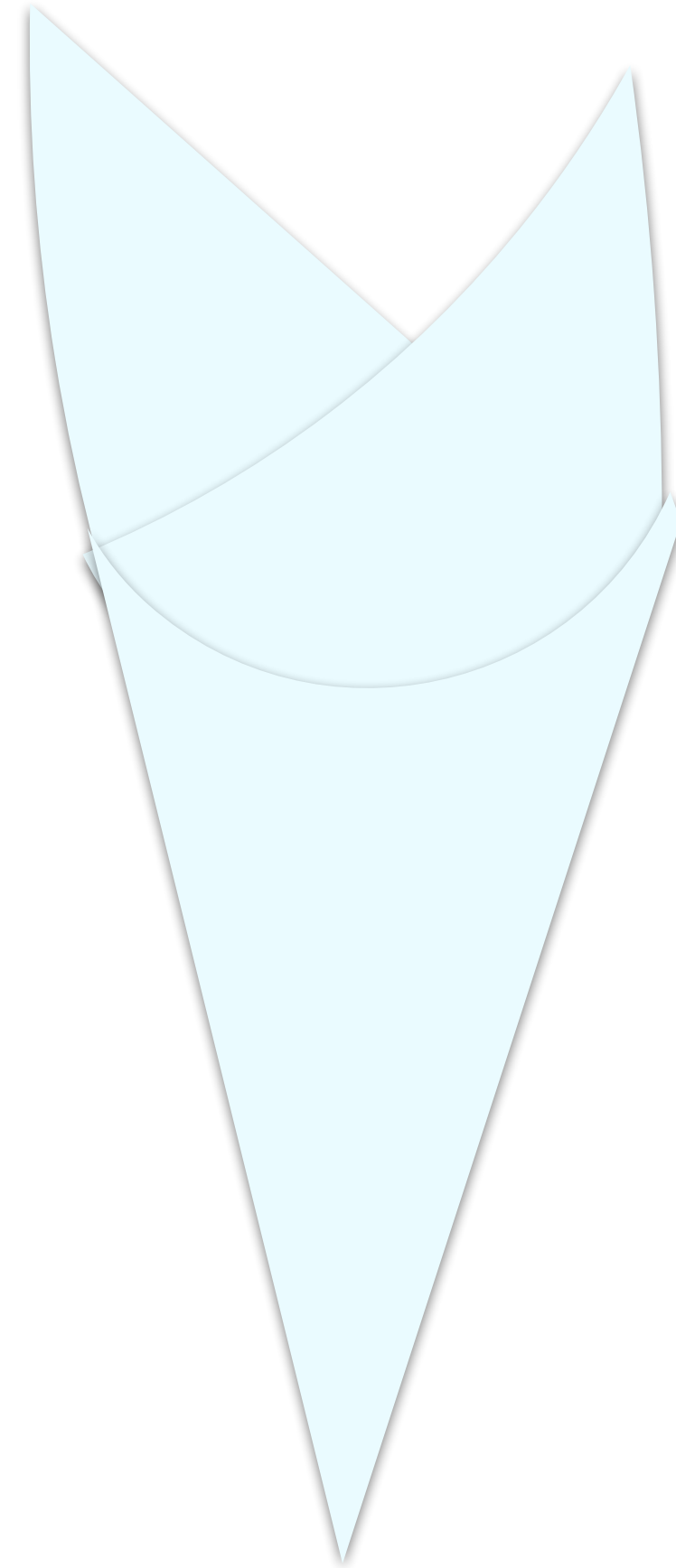
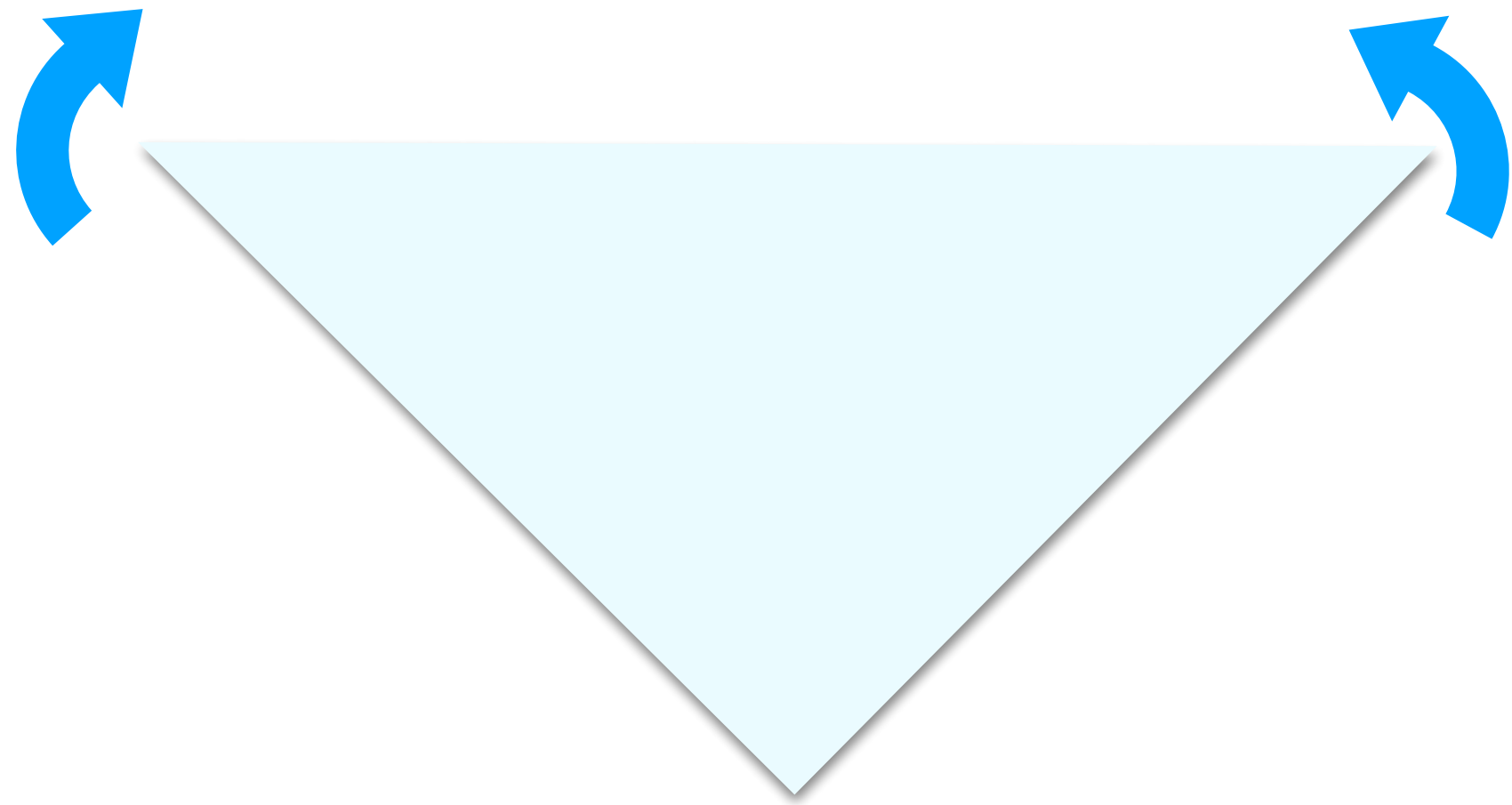


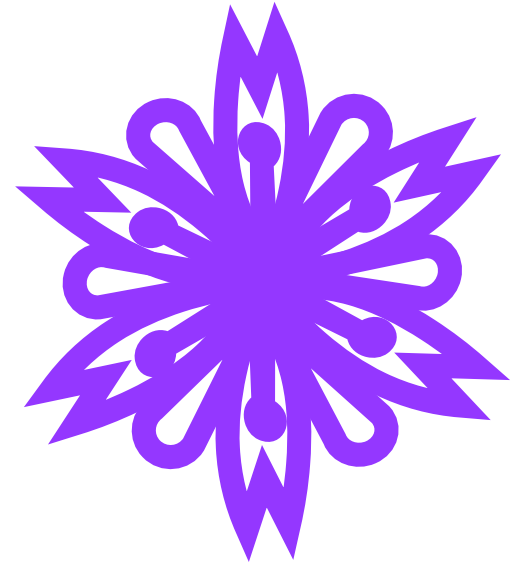
Front and back views



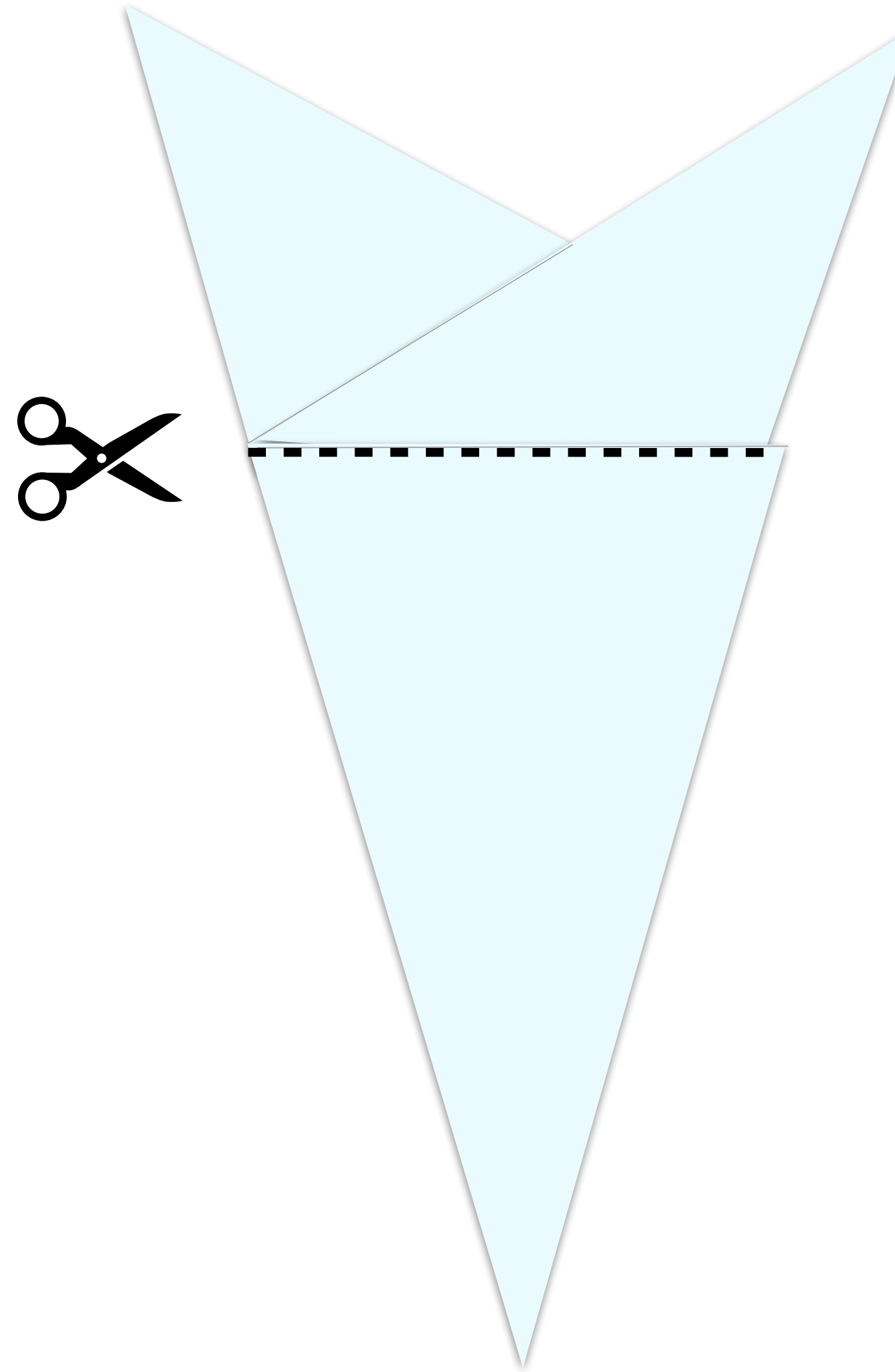


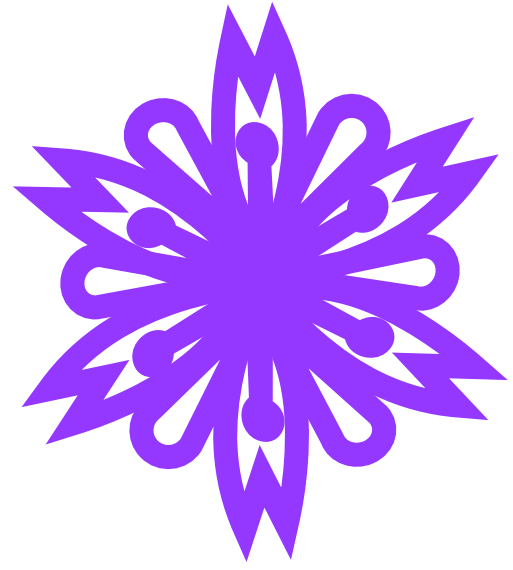
Roll the corners inward as if making a cone
Flatten the cone when the edges align



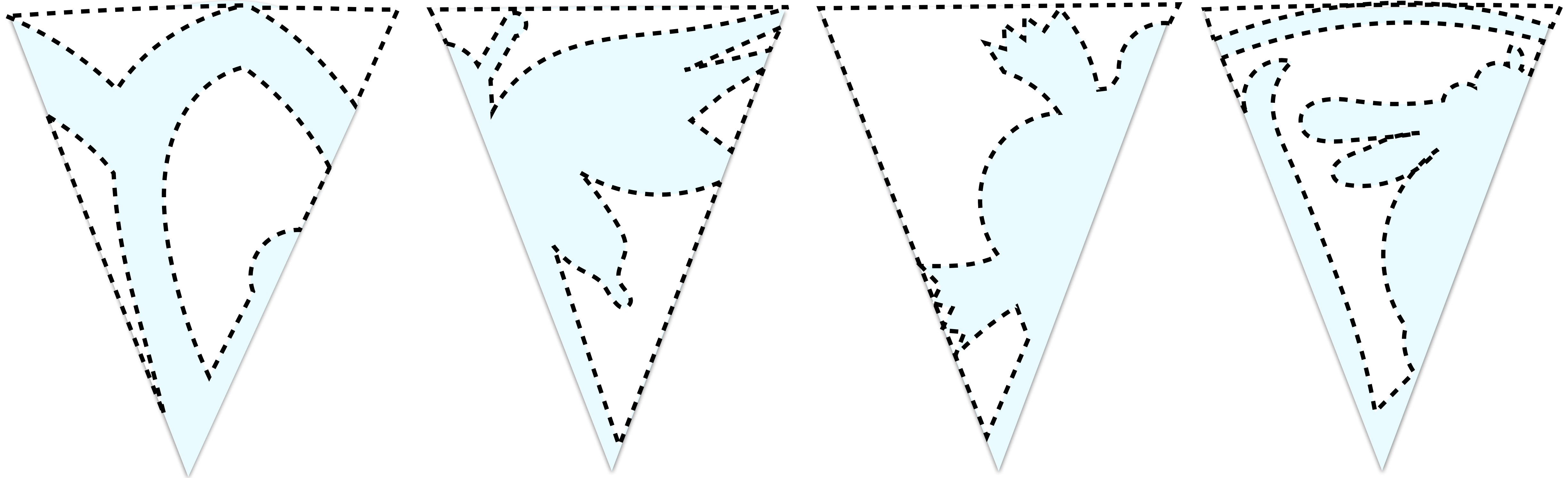


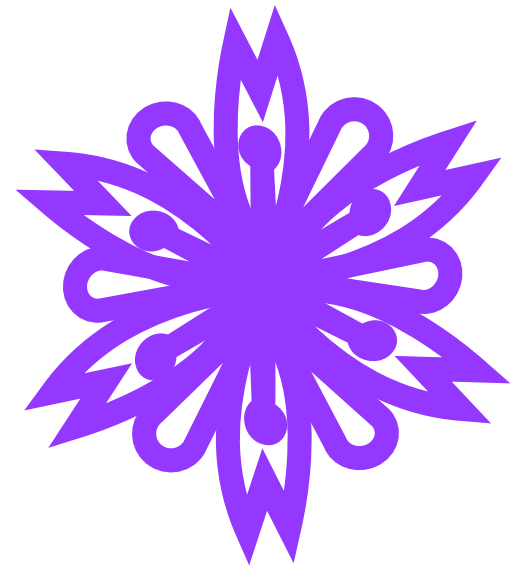
Cut as shown



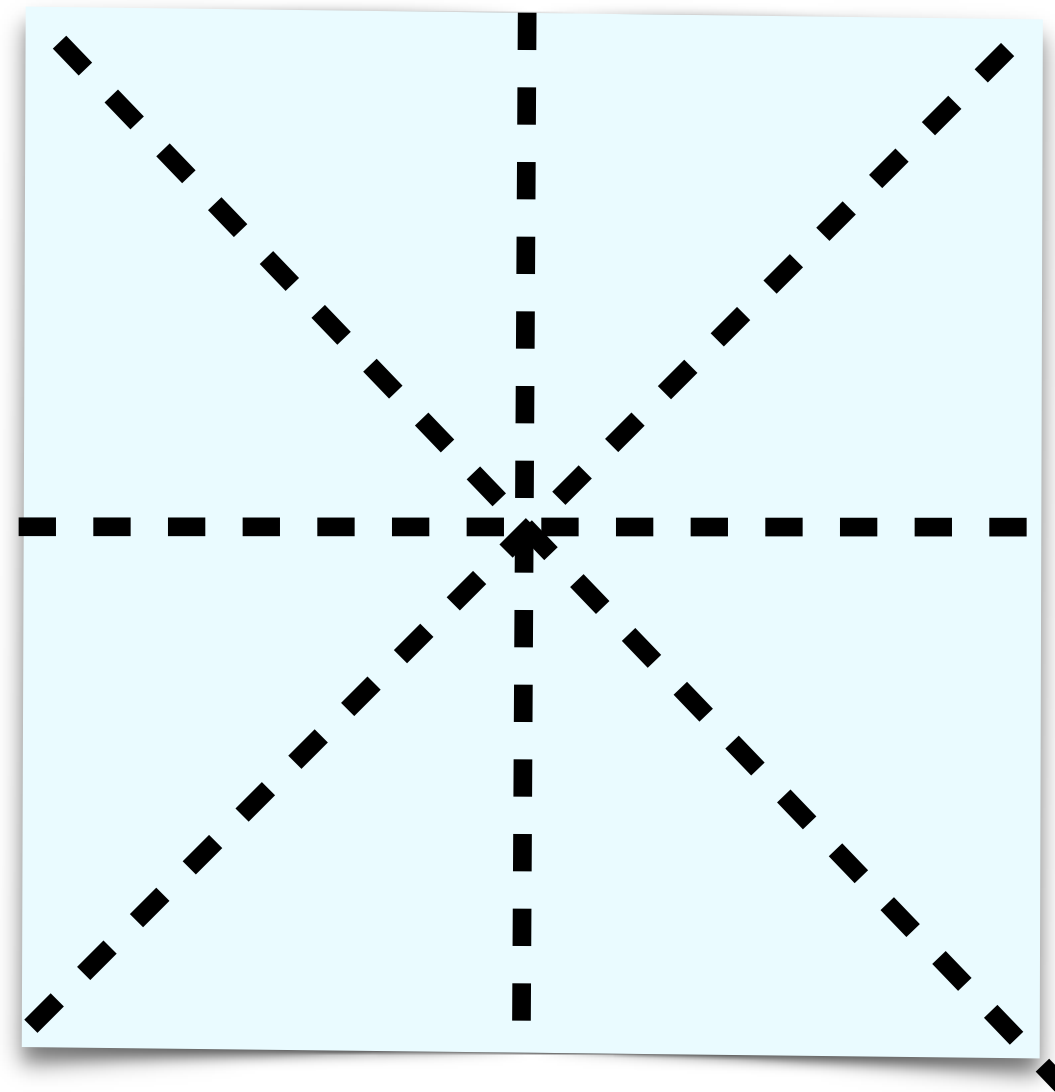


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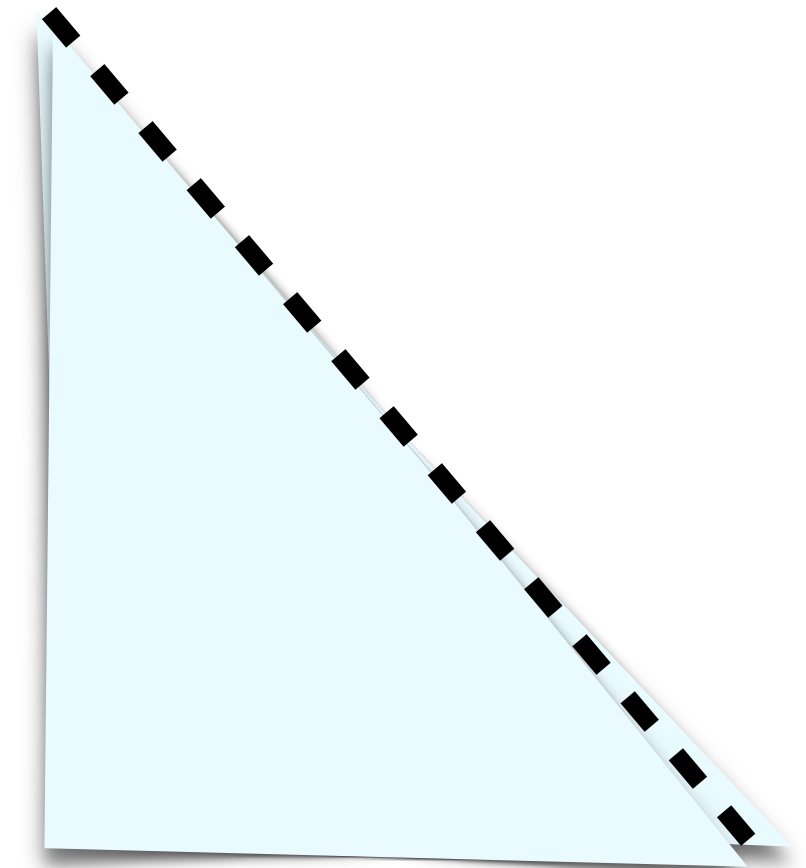
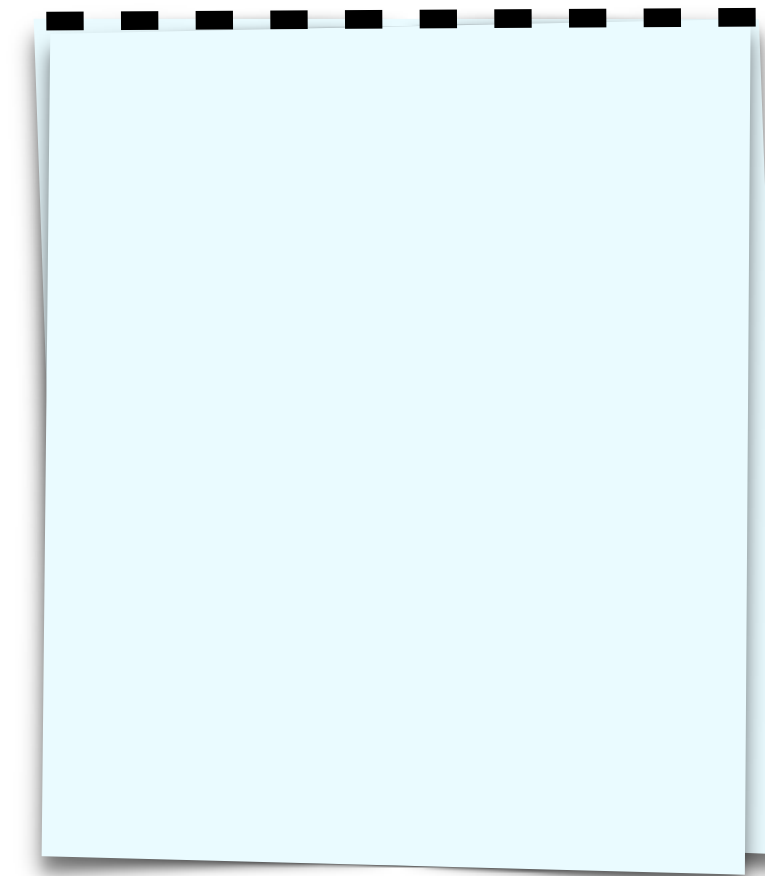


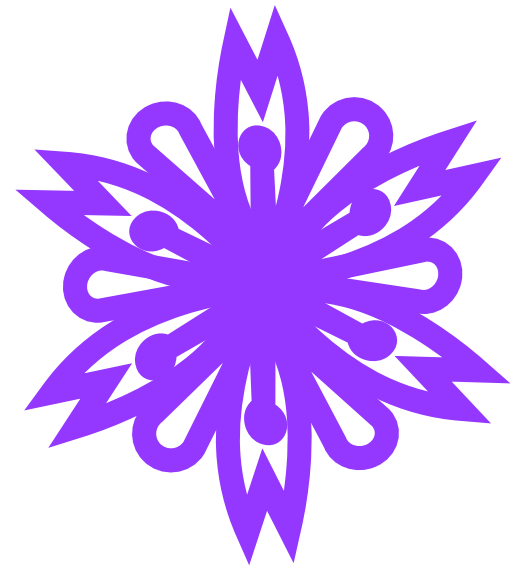


Symmetry with many folds

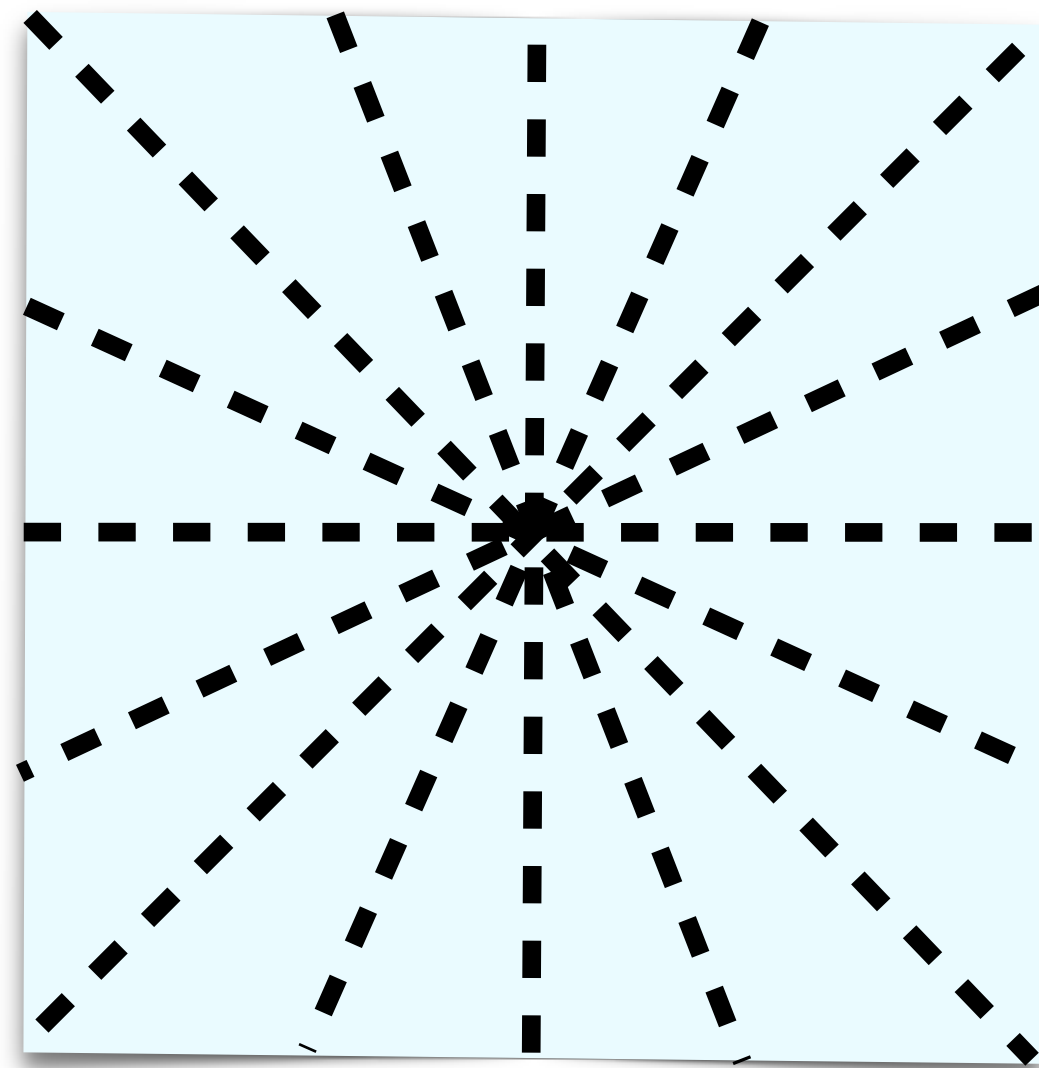


With 8 sections

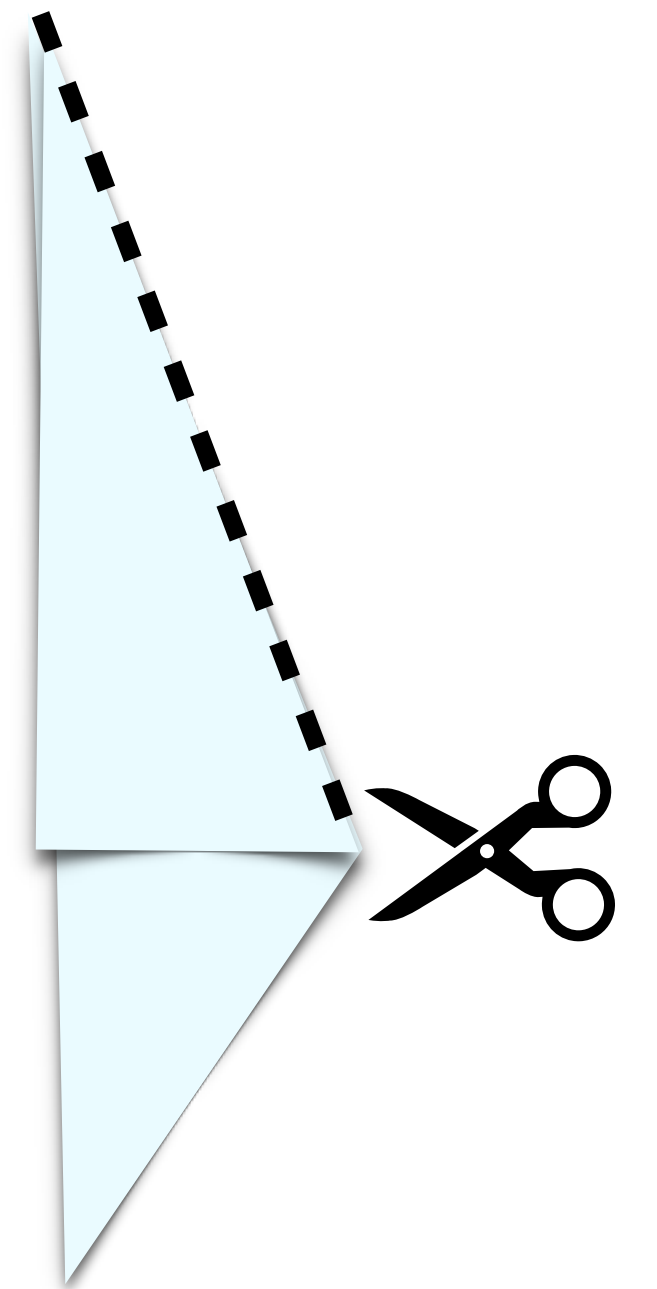
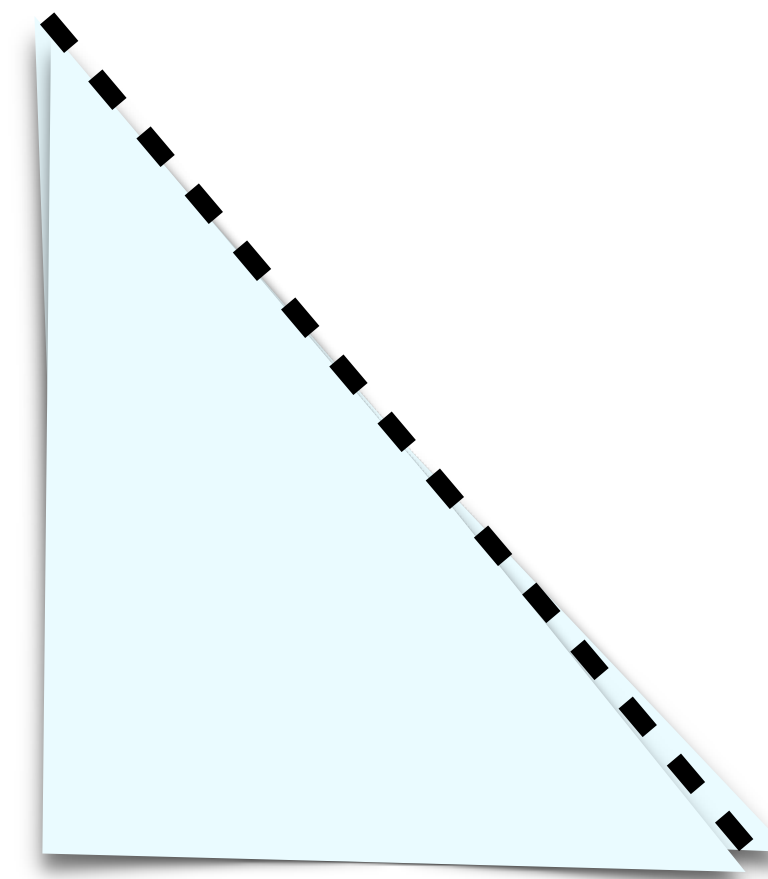
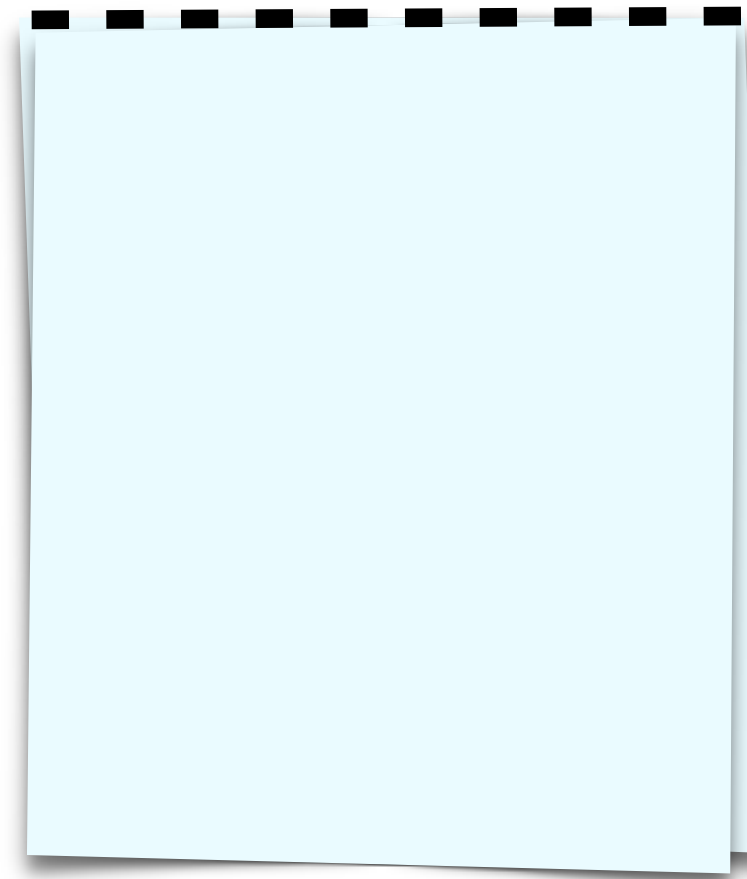


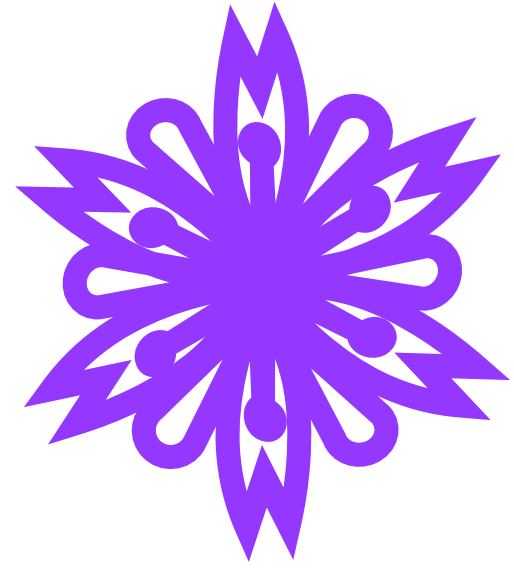


Symmetry with many folds



With 16 sections





How will you cut paper with kids? Please include their age range

What math did you notice?

What math vocabulary did we use?

Share your thoughts and creations: <https://bit.ly/3qJdCpl>