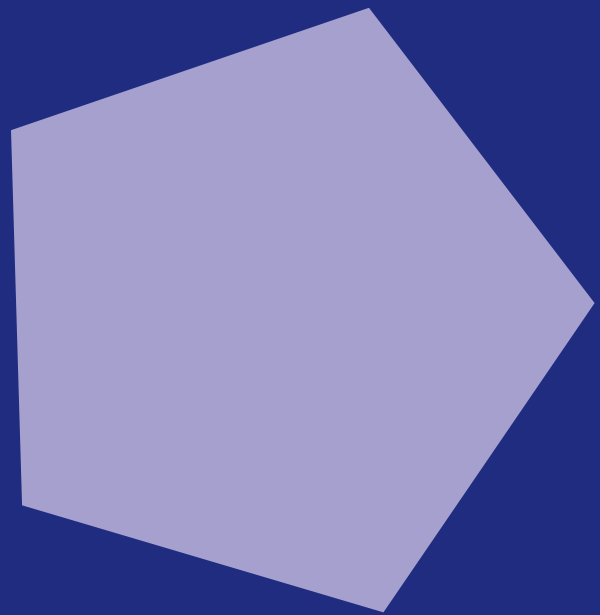


Instructions for Paper Star or Pentagon



Isabelle Hoag M. Ed.
Director of Education
UnCommon-Core.com

Hello Teachers,

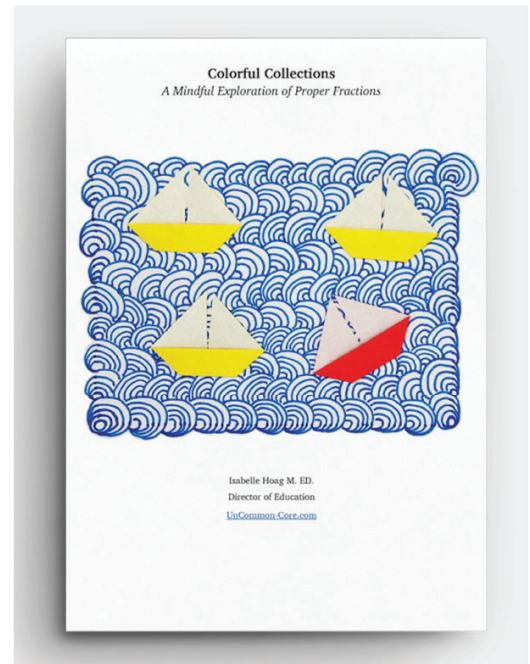
Thank you for downloading this handout. After decades of teaching, now I am sharing some of the activities I designed for my students and some new ones as well.

Please, check out the self-paced teacher education courses on UnCommon-Core.com.

While you are there, sign up for your free copy of **Colorful Collections: A Mindful Exploration of Proper Fractions**.

Also, visit my Teachers Pay Teachers store UnCommon-Core dot com.

Thank you again. All the best,



Isabelle

Isabelle Hoag M.Ed.
Director of Education
UnCommon-Core.com

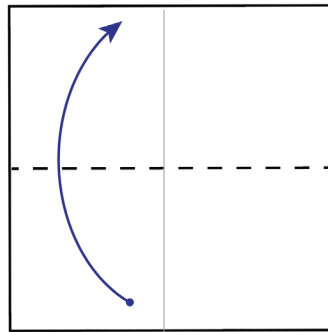
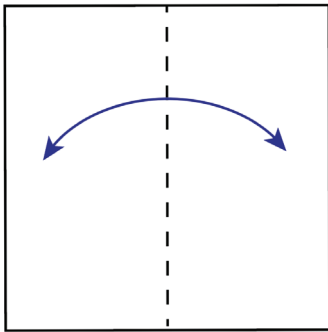


Instructions for Paper Star or Pentagon

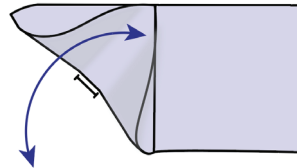
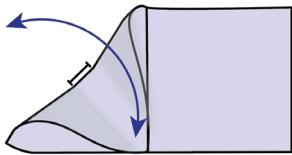


Young students will be delighted when, after carefully following the instructions, they unfold a pentagon or star. Older students may want to figure out why this series of folds results in a pentagon or star.

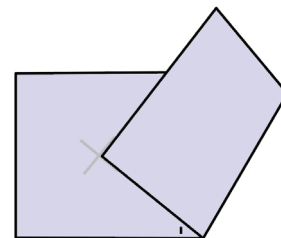
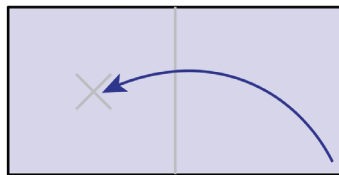
These instructions show origami symbols on the left, written directions below, and the model after each step on the right. More experienced folders might want to use the single page instructions included below.



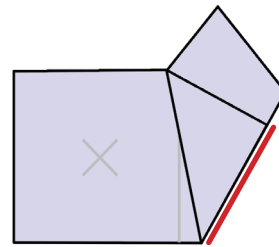
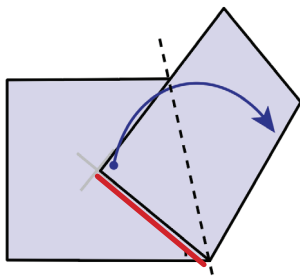
1. Start with colorful side of paper facing down. Bring opposite sides together to make a vertical crease. Then unfold. Bring the bottom edge up to the top edge and crease.



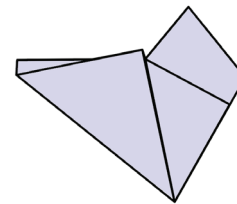
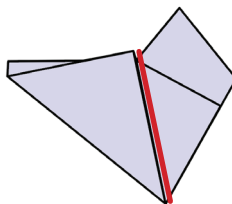
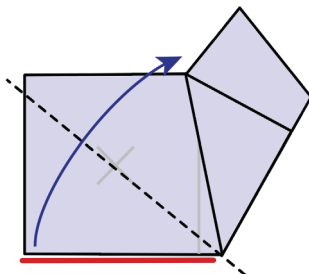
2. Find the center of the left hand square. Bring the top left corner to the middle of the bottom edge. Pinch a crease in the middle as shown. Unfold. Next, bring the bottom left corner to the middle of the top edge. Again, pinch in the middle. Unfold. The center of the left hand square is where the pinched lines meet.



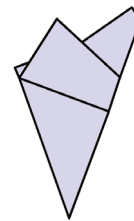
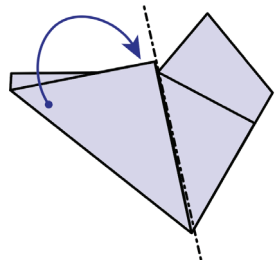
3. Fold the bottom right corner to the center of the left hand square as shown.



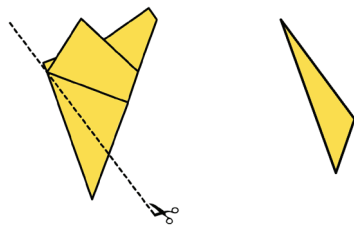
4. Bring the edge that runs diagonally from the bottom to the center of the left hand square along side of the outside diagonal edge as shown.



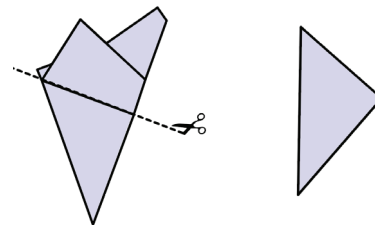
5. Bring the bottom left corner up to just above the top edge as shown. Make sure the bottom edge matches the previous fold.



6. Fold the left side of the model behind the right side. Line up the edges so they match as best as you can. At this point, the instructions for the pentagon are different than those for the star.

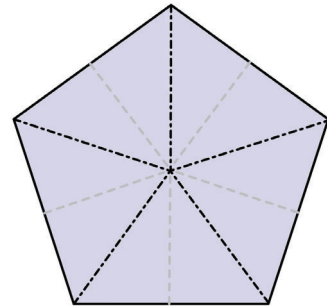
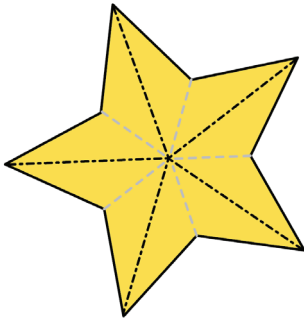
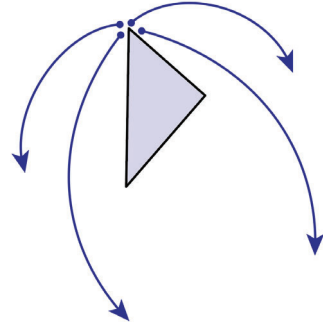
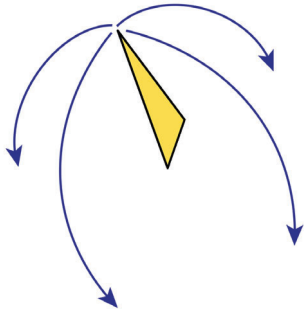


7. Cut through all layers of the paper as shown to create a star.

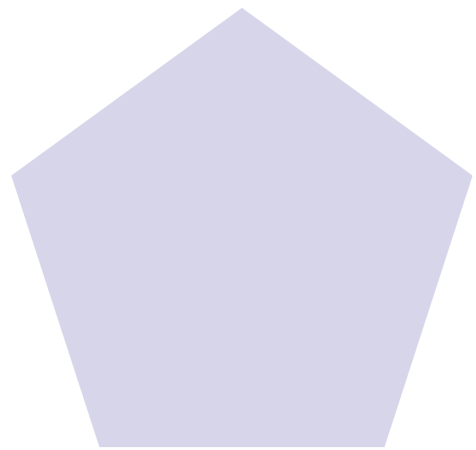
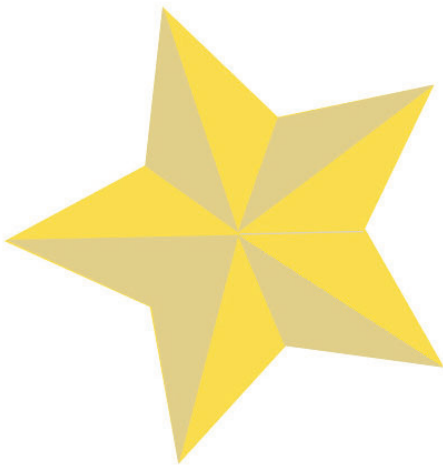


7. Cut through all but the top layers as shown to create a pentagon.

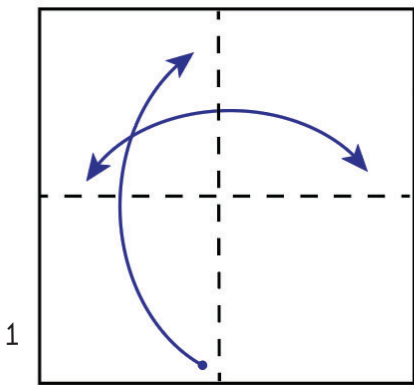
Finishing Star or Pentagon



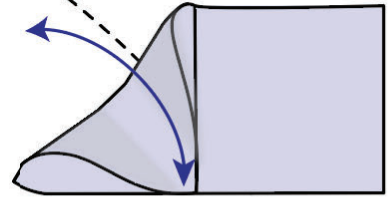
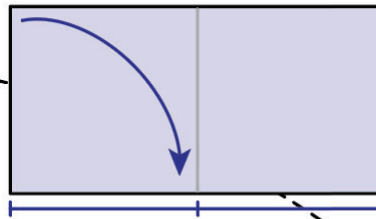
8. Unfold the model. Flatten the pentagon. It can be used as a base for other origami models.
Re-crease the star so that mountain and valley folds alternate as shown.



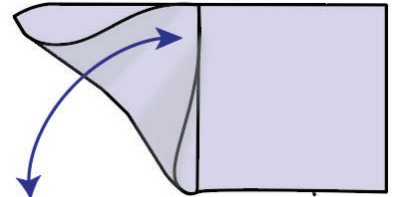
Fold and Cut a Pentagon



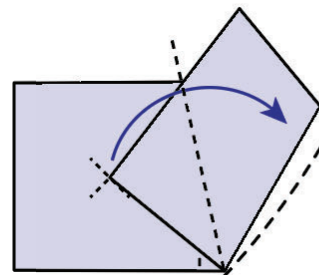
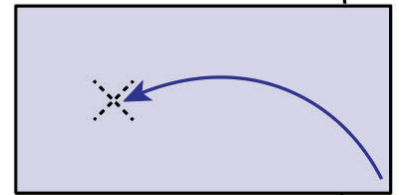
1
Fold in half vertically. Unfold.
Fold in half horizontally.



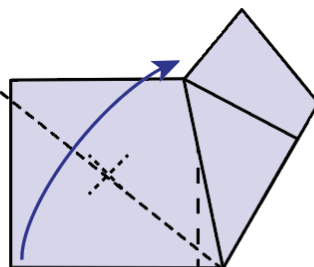
2 Pinch to find the center of the left square.



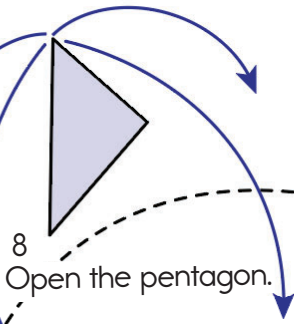
3 Bring bottom right corner to center of pinched folds.



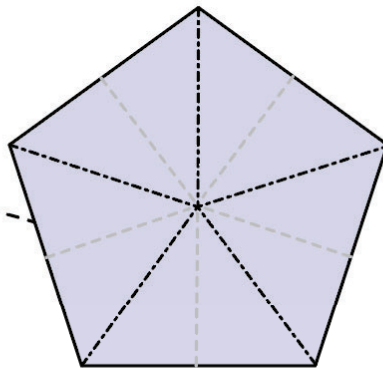
4 Bisect angle created in step 3.



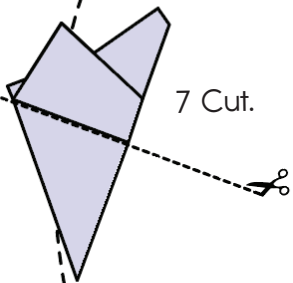
5 Fold bottom edge flush with the fold from step 4.



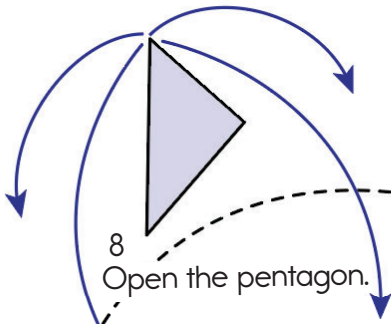
6 Fold model in half.



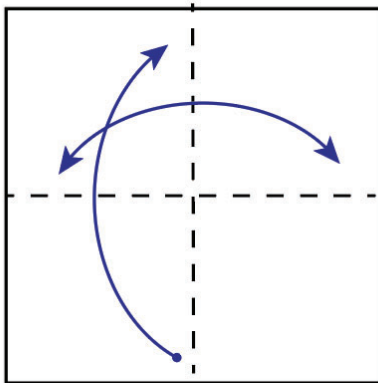
7 Cut.



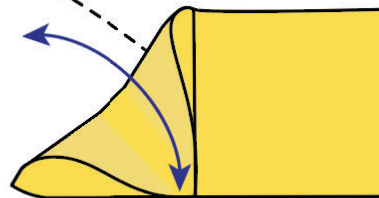
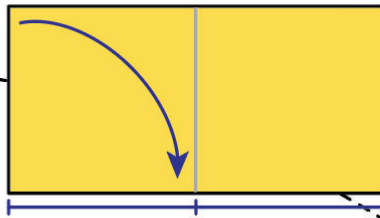
8 Open the pentagon.



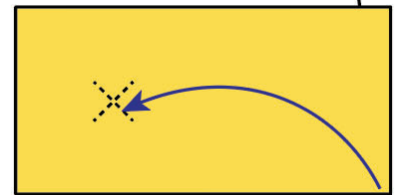
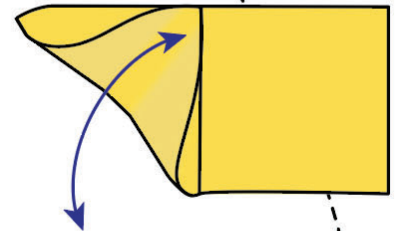
Fold and Cut a Paper Star



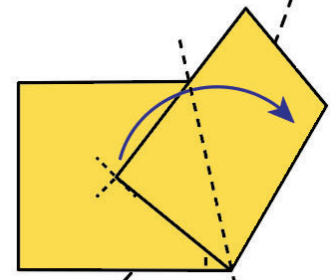
1 Fold in half vertically. Unfold.
Fold in half horizontally.



2 Pinch to find the center
of the left square.

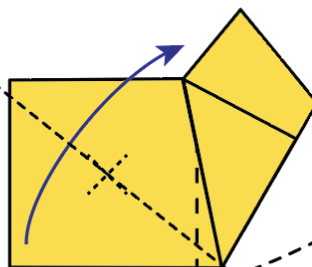


3 Bring bottom right
corner to center of
pinched folds.



4 Bisect angle
created in step 3.

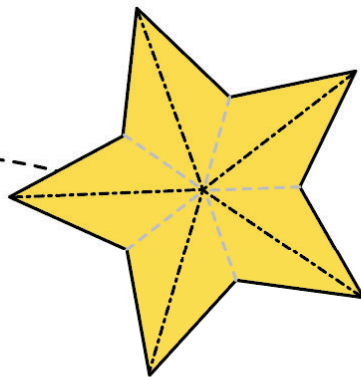
5 Fold bottom edge flush
with the fold from step 4.



6 Fold model in half.

7 Cut through
all layers.

8 Open the star.



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Isabelle@UnCommon-Core.com