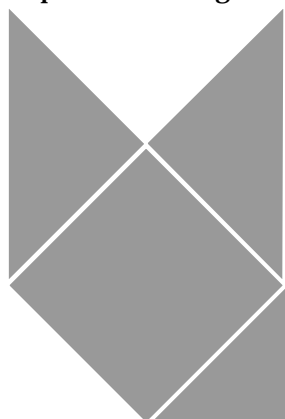
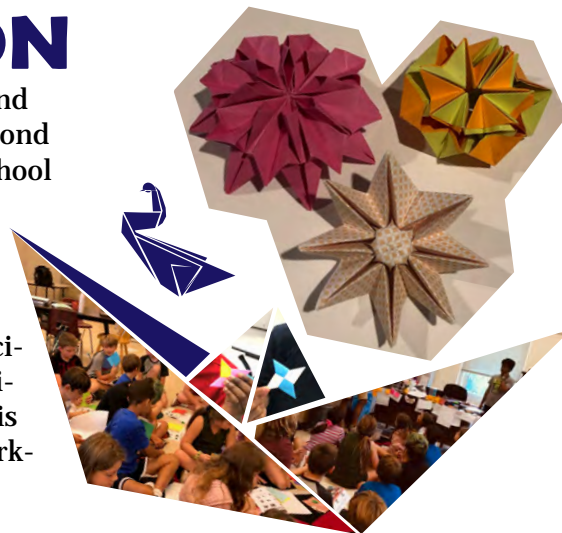


ORIGAMI FOR EDUCATION

For Karthik Jetty, member of Mu Alpha Theta, the National High School and Two-Year College Mathematics Honor Society, teaching and service go beyond the classroom. Two years ago, Karthik, a senior at duPont Manual High School in Louisville, KY, founded a non-profit organization named Origami For Education, whose dedicated volunteers use origami to stimulate interest in math. When he first started this organization, Karthik never expected that students would develop an immense enthusiasm and joy for origami and the math behind the artform. Research shows that students who participate in origami demonstrate improved reasoning skills and pattern identification. With 10 team members and 6 chapters across the country, Karthik is proving that learning and having fun can go hand in hand, one origami workshop at a time. For more information about Origami for Education, visit: <https://www.origamiedu.org>.



ORIGAMI & TANGRAM

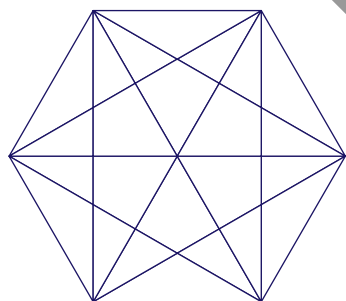
(a brief tutorial on creating origami tangrams)
<https://youtu.be/8c8WBRsfy8U>

How to tangram...

- Carefully cut out this tangram kitty cat.
- Use your imagination to create geometric figures!

PRO TIP:

Gluing your tangram to a thin piece of cardboard prior to cutting the individual pieces will add strength and durability to your tangram puzzle.

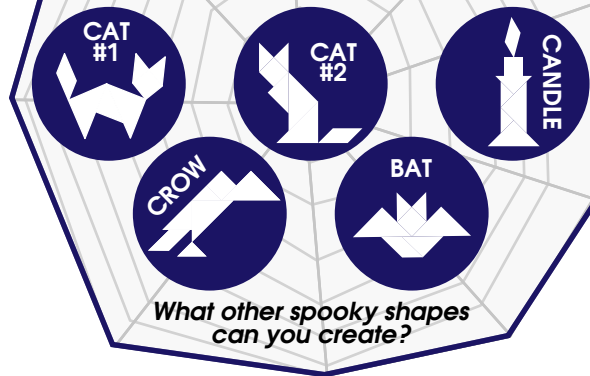


Tangram kitty is transfixed by this regular hexagon of yarn with all possible chords shown.

Can you find all the triangles in this figure?

SPOOKY TANGRAMS

Can you recreate these shapes from their silhouette alone?



What other spooky shapes can you create?

Grants: a key to your chapter's success!

CHAPTER

\$250

to host a math event, invite a guest speaker, hold math activities with other schools, or celebrate Pi Day!

GRANTS

SUMMER

\$500

towards a math or STEM summer program like AwesomeMath or Canada/USA Math-camp.

GRANTS

COMPETITION

\$250

provides help with competition expenses, contest registration fees, and travel costs for your chapter!



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