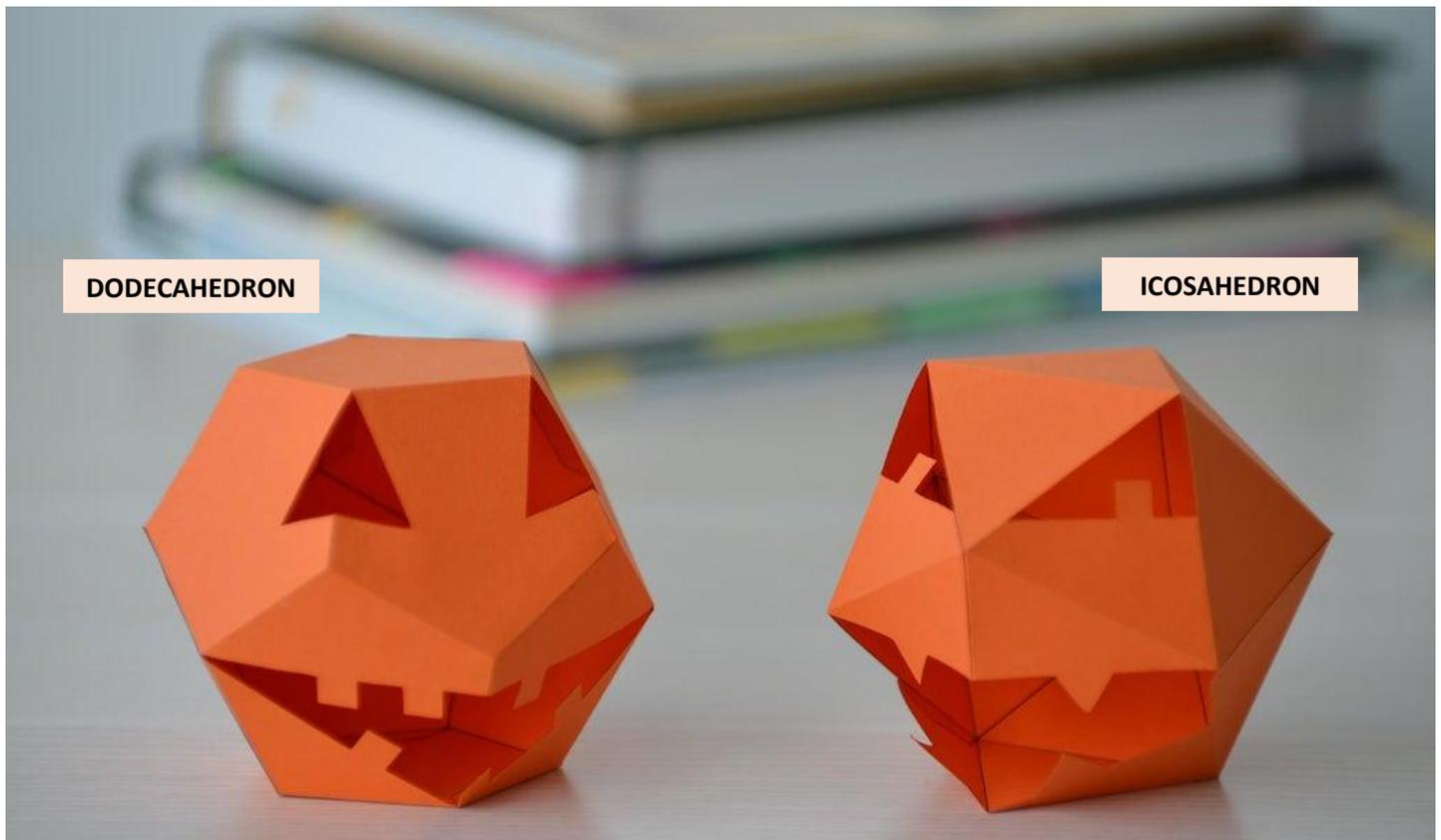


FOLD YOUR OWN GEOMETRIC JACK O'LANTERNS



DODECAHEDRON

ICOSAHEDRON

See reverse for instructions.

Time: about 1 hour

Difficulty: Teens and up

Yields: Two paper jack o'lanterns

Materials included (make sure you have them all!):

- 1 piece of orange 8.5x14 paper printed and labeled "dodecahedron"
- 1 piece of orange 8.5x14 paper printed and labeled "icosahedron"
- 1 piece of pipe cleaner (for a stem)

Materials needed:

- Scissors
- Glue (Elmer's will work)
- Toothpick to apply glue (optional)
- Pen (also optional)

Instructions:

1. Cut out the shape along the solid black line. Be as precise as you can! Ordinary scissors will work fine. You might also use an Xacto or retractable knife if you're comfortable (and careful).
2. Fold along the dotted lines, so the lines are on the inside. I found it helpful to trace the lines in pen so I got a nice, straight, crisp fold.
3. Many sides will have a numbered tab. Once you've got everything folded, it will be really obvious where the tab should stick! Apply glue, fold the tab inside so the number is invisible, then carefully press and hold until it sticks. For best results, glue tab 1 first, then tab 2, etc.

I found it helpful to pour some glue out, then use a toothpick to apply it. This process took me a while, but I listened to a whole podcast episode! It was nice to listen to one thing and do something else with my hands.

4. Use the other end of your toothpick (or a pin) to poke a hole through the top, and stick the pipe cleaner through the hole for a stem.
5. Decorate as you see fit! (I personally have a little battery-operated tea light in the one I made to make sure this worked.)
6. Share with your math instructor, who will be awed, and/or with the Library by tagging us on Instagram or Facebook!