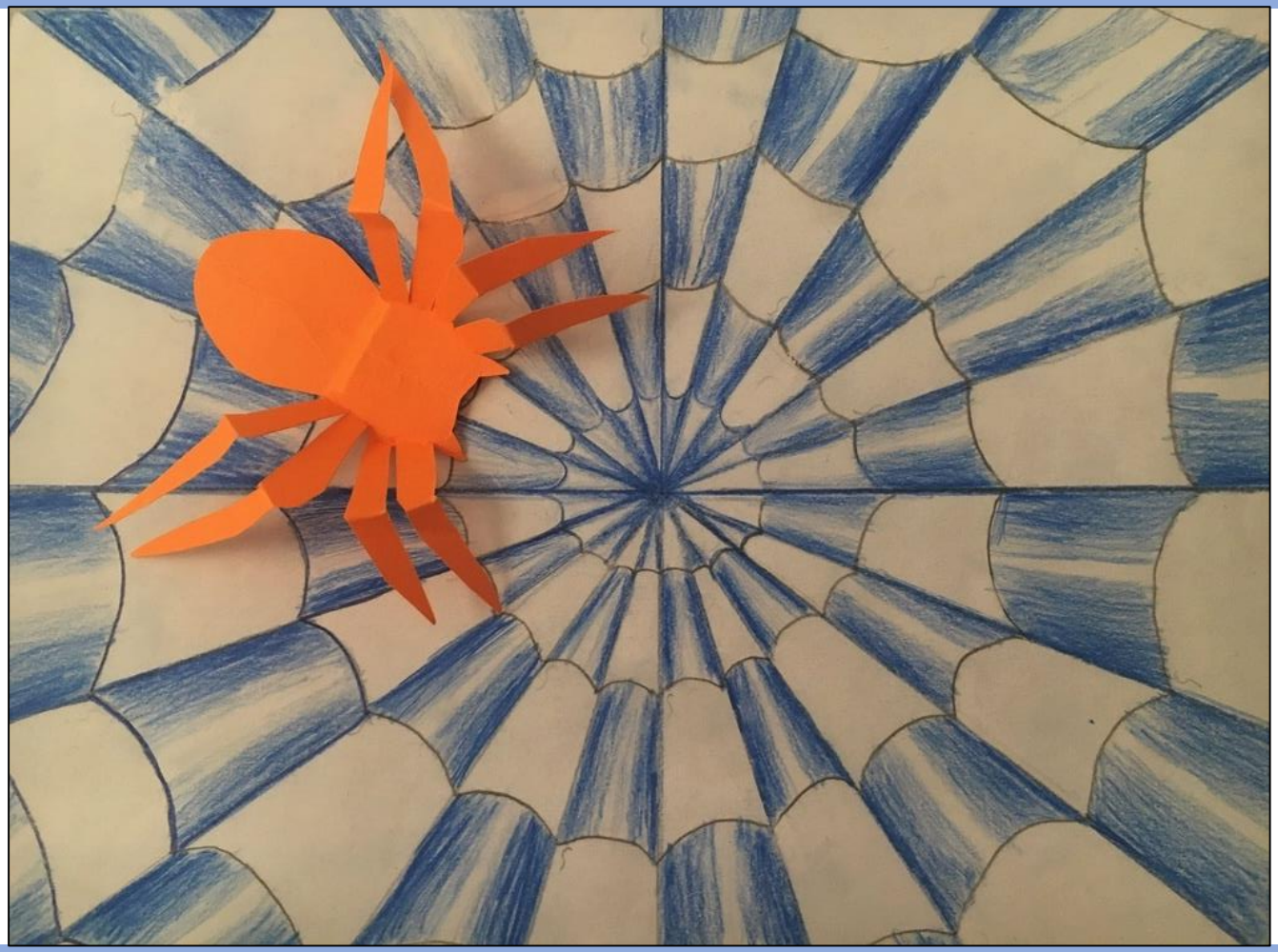
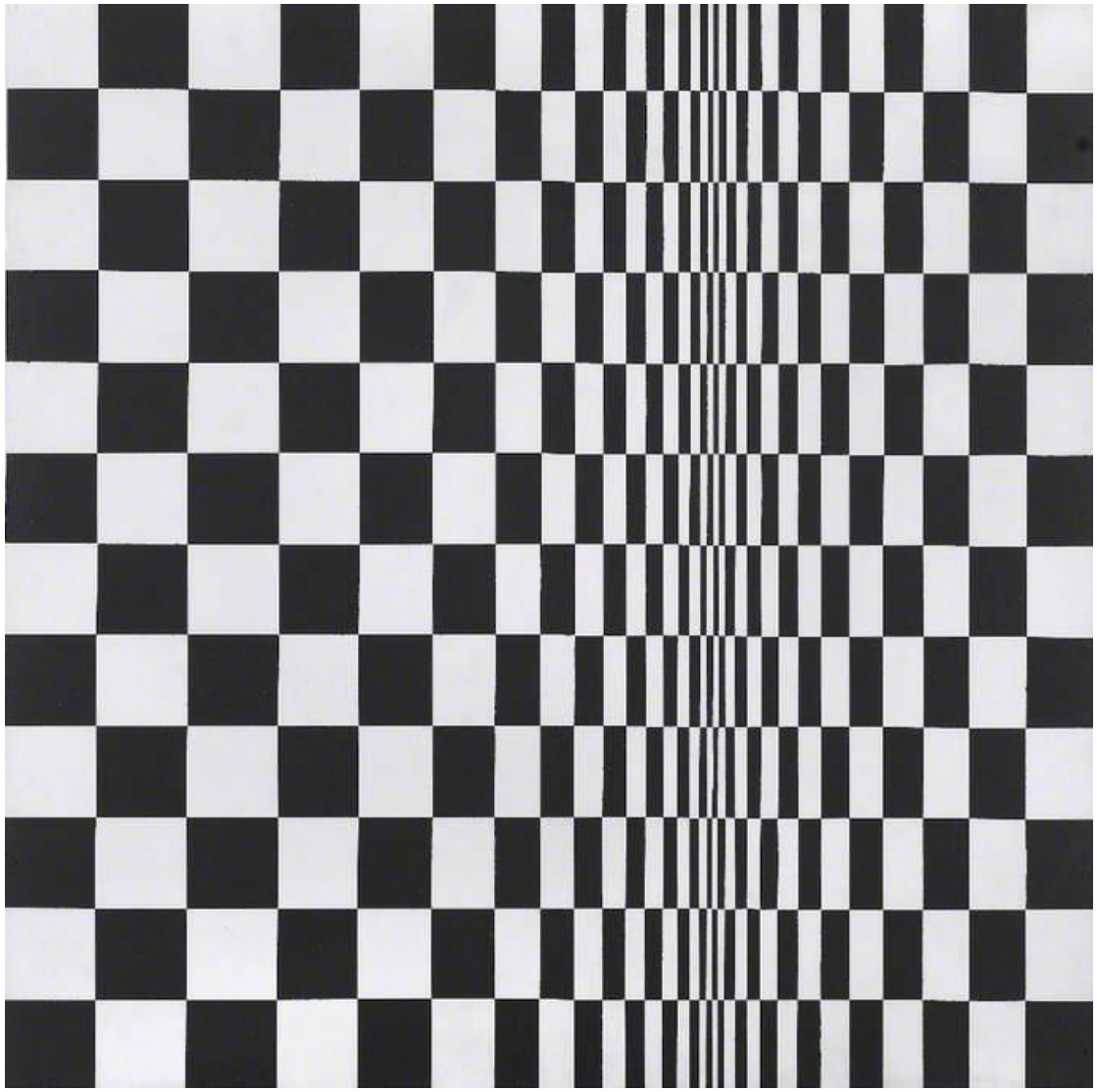
Grade 4 – Optical Web



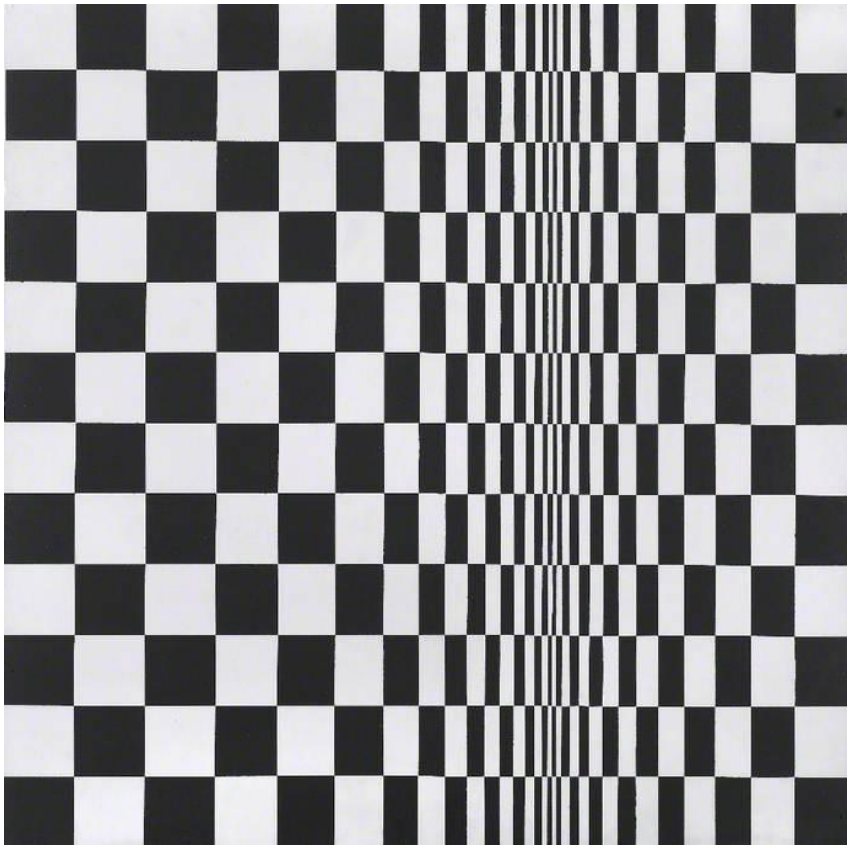
Space

What do you see?



Movement in Squares, 1961, Riley

Artistic Focus: Element



Movement in Squares, 1961, Riley

SPACE is the area above, below, around, and within an artwork; the illusion of depth or space on a flat surface, created by means of the following techniques: rendering shapes and forms so that they overlap and using size, detail, value, color, and linear perspective.

Today's objective:

1. To understand how to use line and color to create a 3-D effect on a flat surface.
2. To create the illusion of depth or space in an Op Art spider web.

WA State Visual Arts Standard
Compare responses to a work of art before and after working in similar media.
(VA: Re.7.1.4)

Bridget Riley

- She was born in England in 1931.
- She worked as a teacher for various institutions.
- Her optical illusions later became known as Op Art.
- She used a variety of geometric forms that produce sensations of movement or color.
- Her works could induce sensations in viewers similar to seasickness and skydiving.

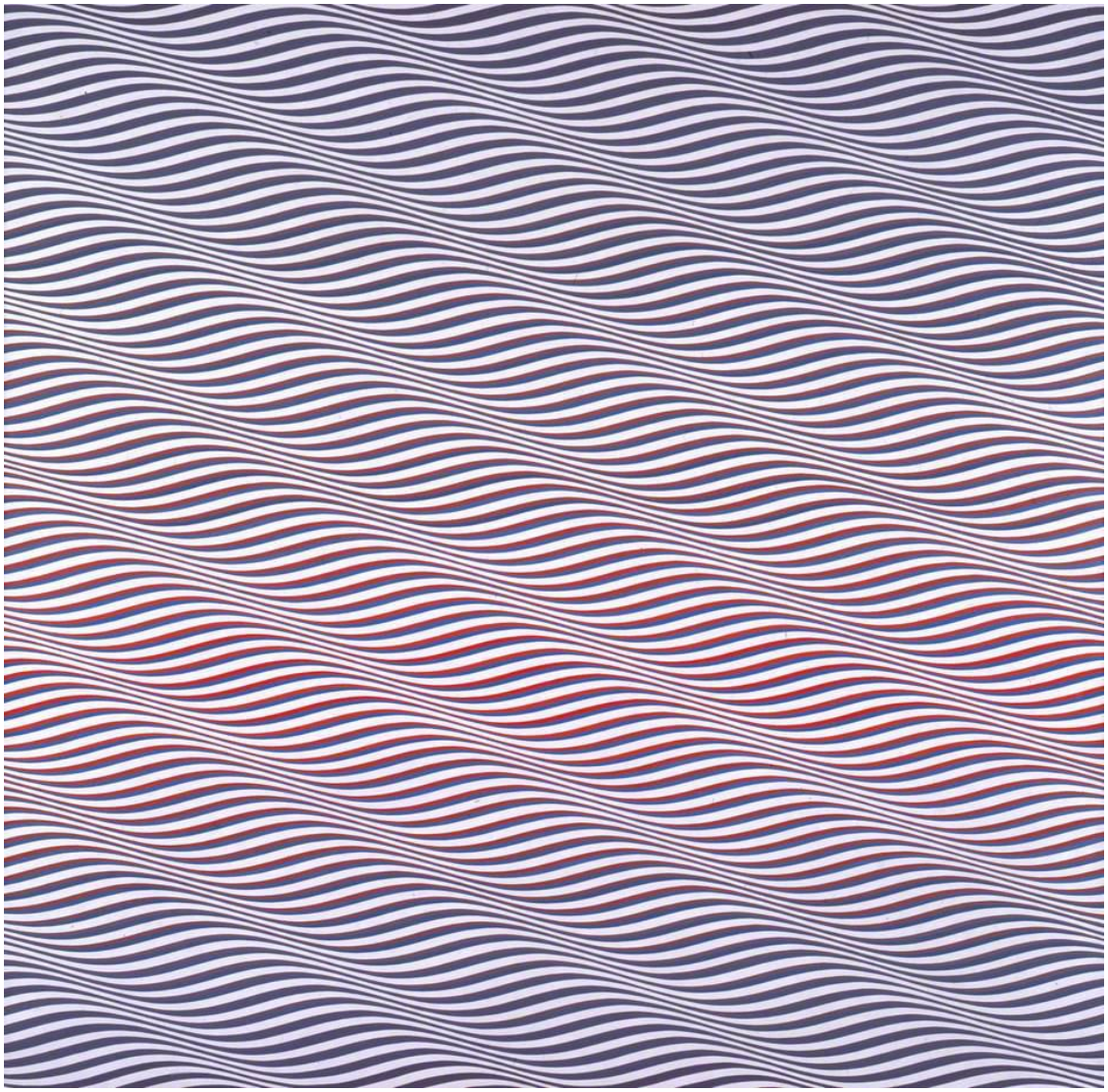


Artwork



Stretch, 1964, Riley

Artwork



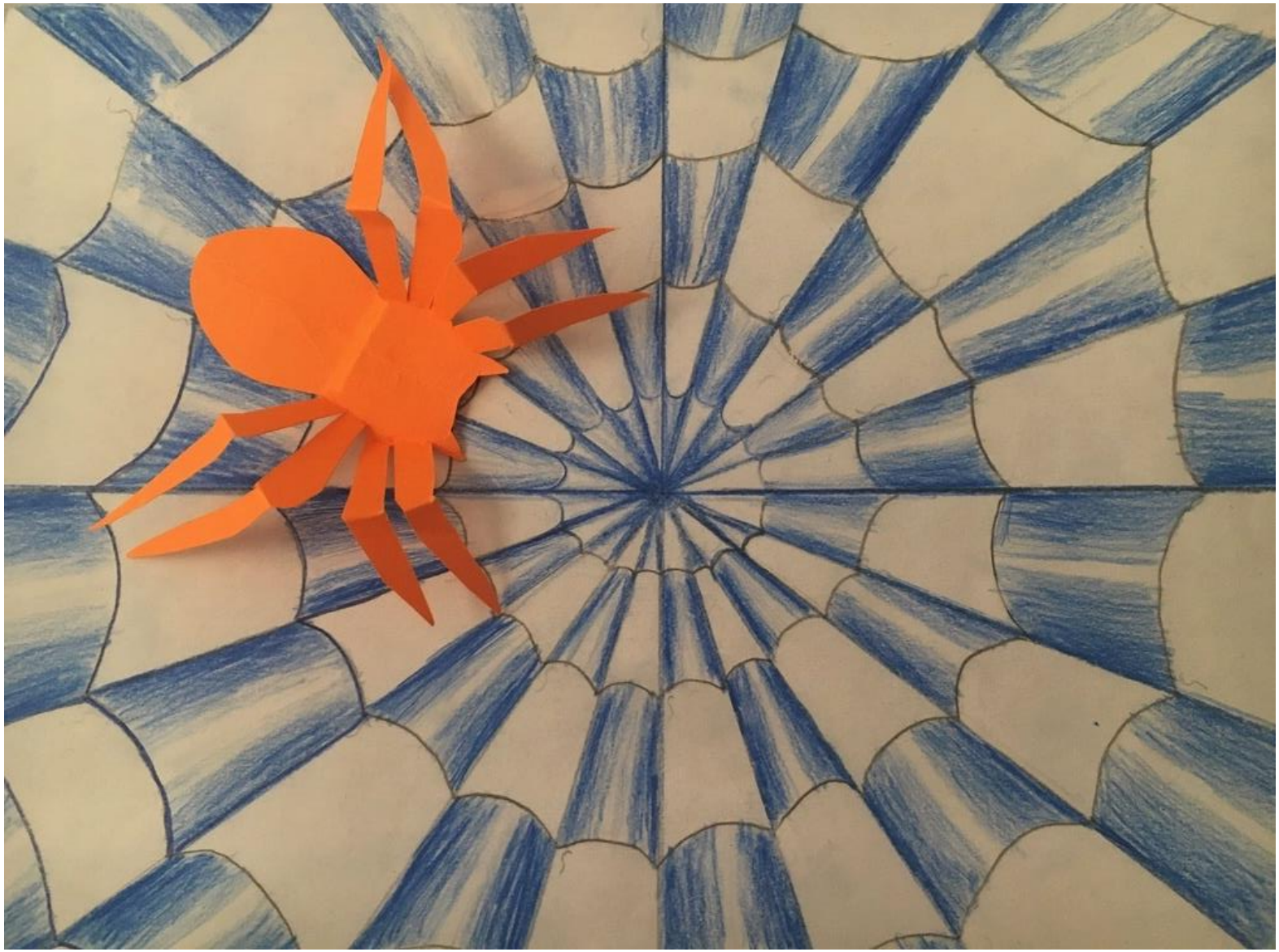
Cataract 3, 1967, Riley

Artwork



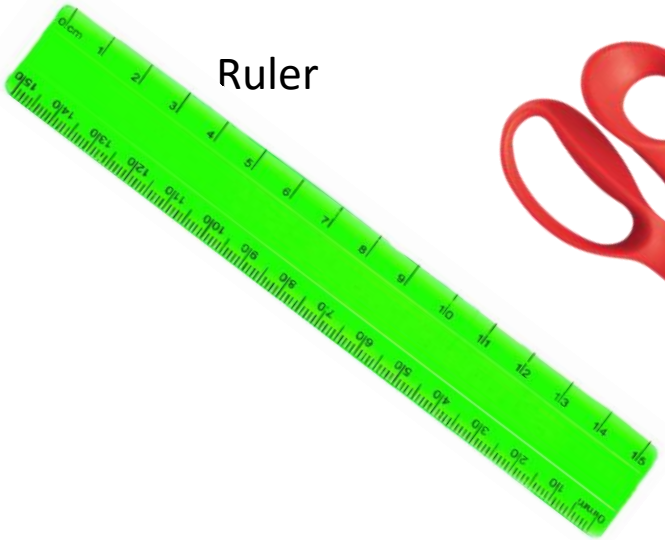
Blaze 1, 1962, Riley

Example of Today's Project



Materials

Ruler



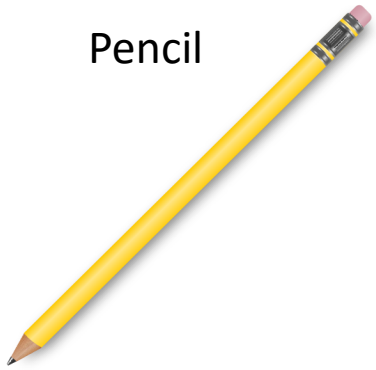
Scissors



Colored pencils



Pencil



Construction paper (variety of colors)



Glue stick

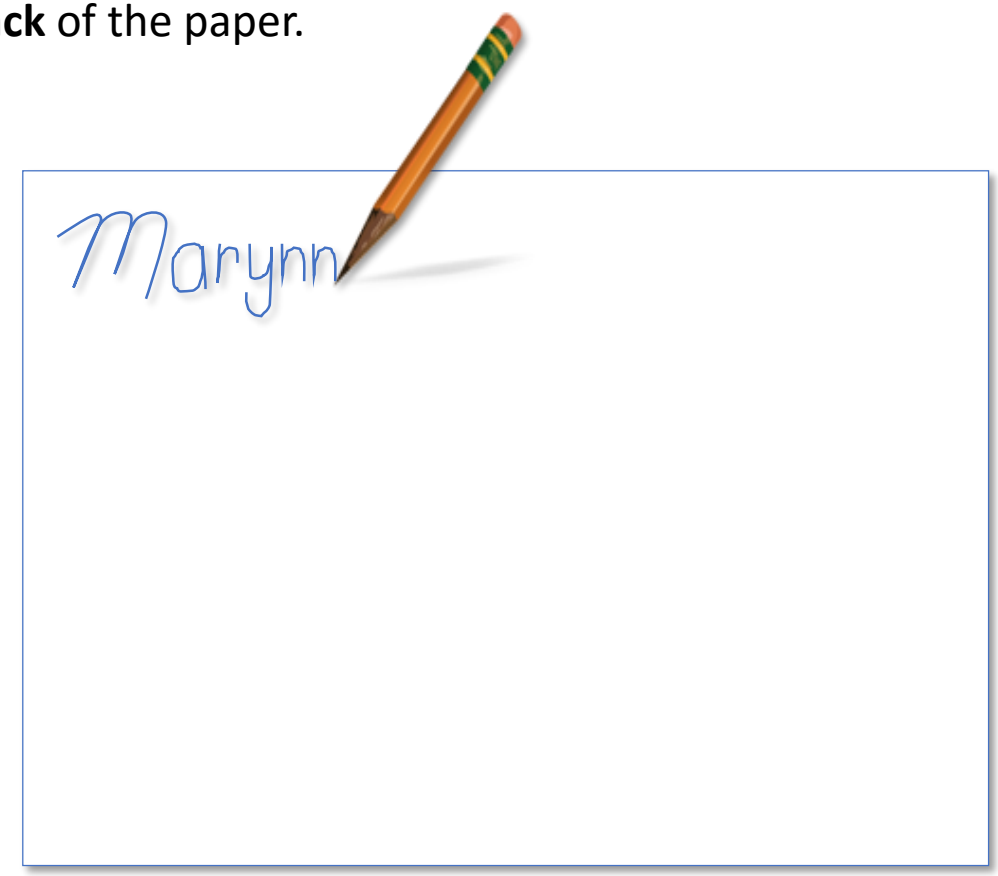


9x12 white construction paper



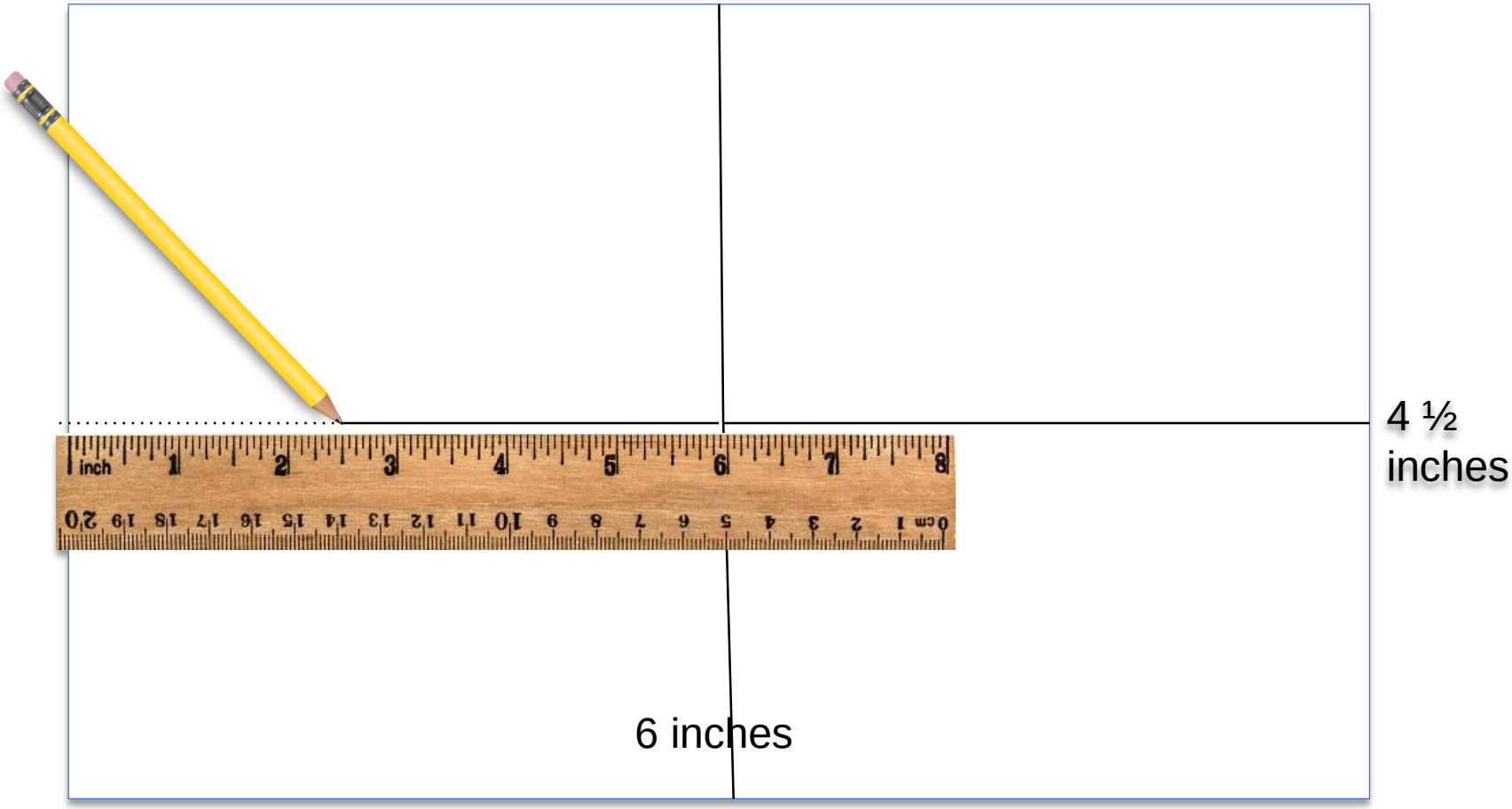
Before You Begin

1. Write your **name** in pencil on the **back** of the paper.
2. Flip over your paper over.
3. **Roll up your sleeves!**



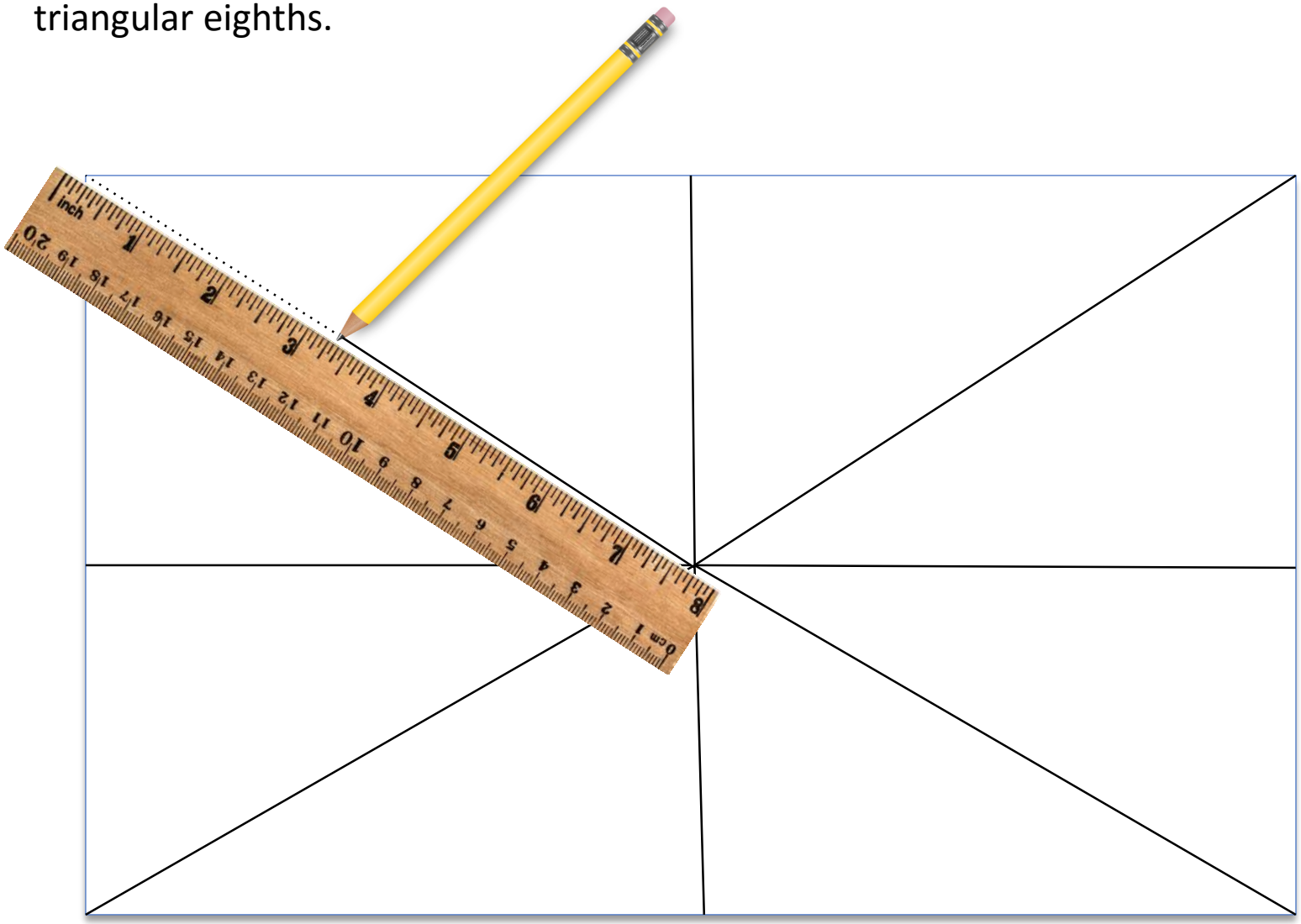
Step 1

- Draw 2 lines to section the paper into fourths (one vertical and one horizontal).
- Draw <u>lightly</u> with your pencil!



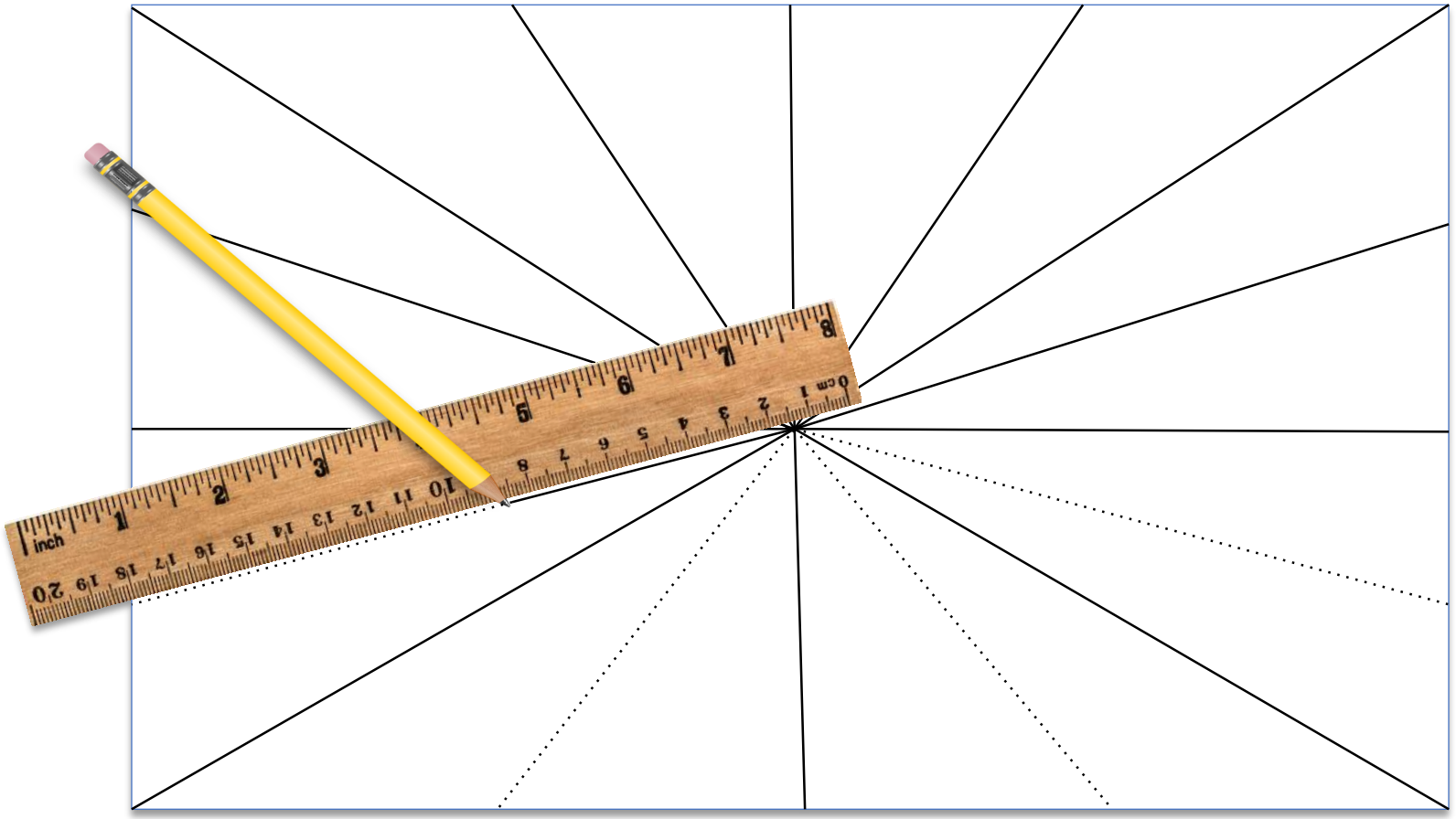
Step 2

- Draw two diagonal lines from corner to corner, splitting the fourths into triangular eighths.



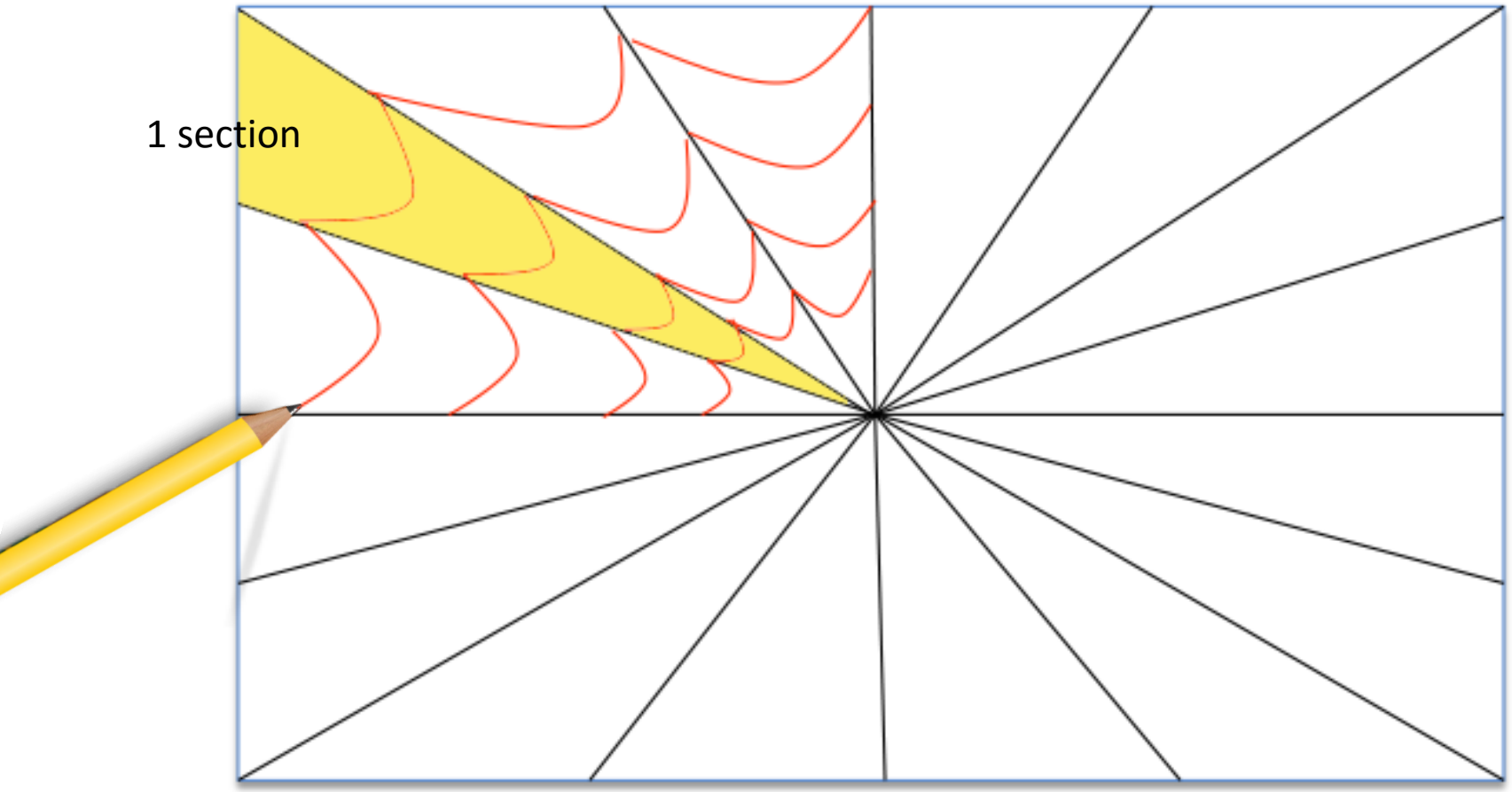
Step 3

- Next, draw lines in between each of the existing lines.
- When you are done, you should have three diagonal lines inside each of your original fourths.



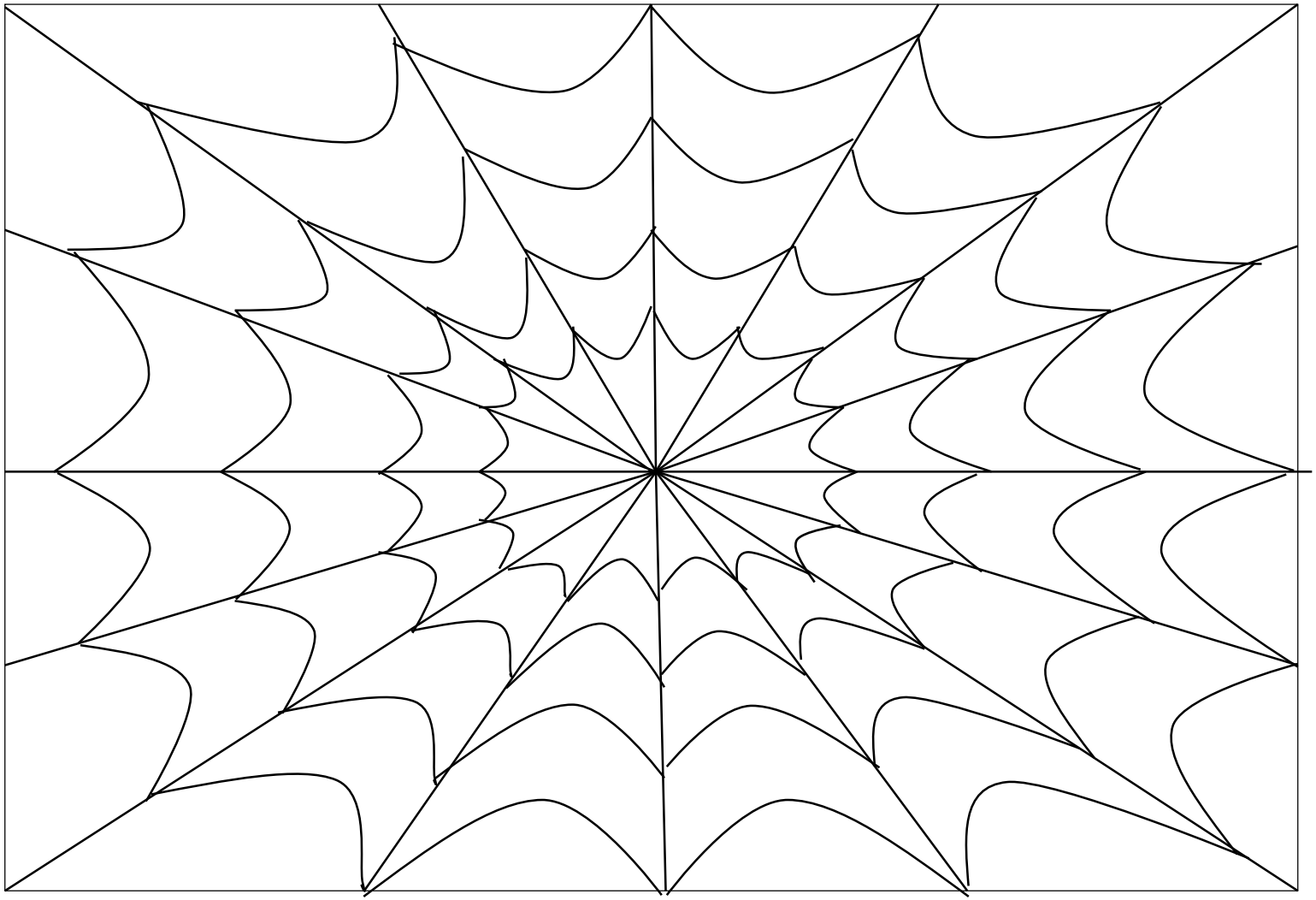
Step 4

- Time to add curved lines.
- Work with one triangular section at a time (as highlighted in the picture below).
- Draw four to five curved lines about an inch apart in each section. These lines must connect to the neighboring triangular sections and must curve the same way.



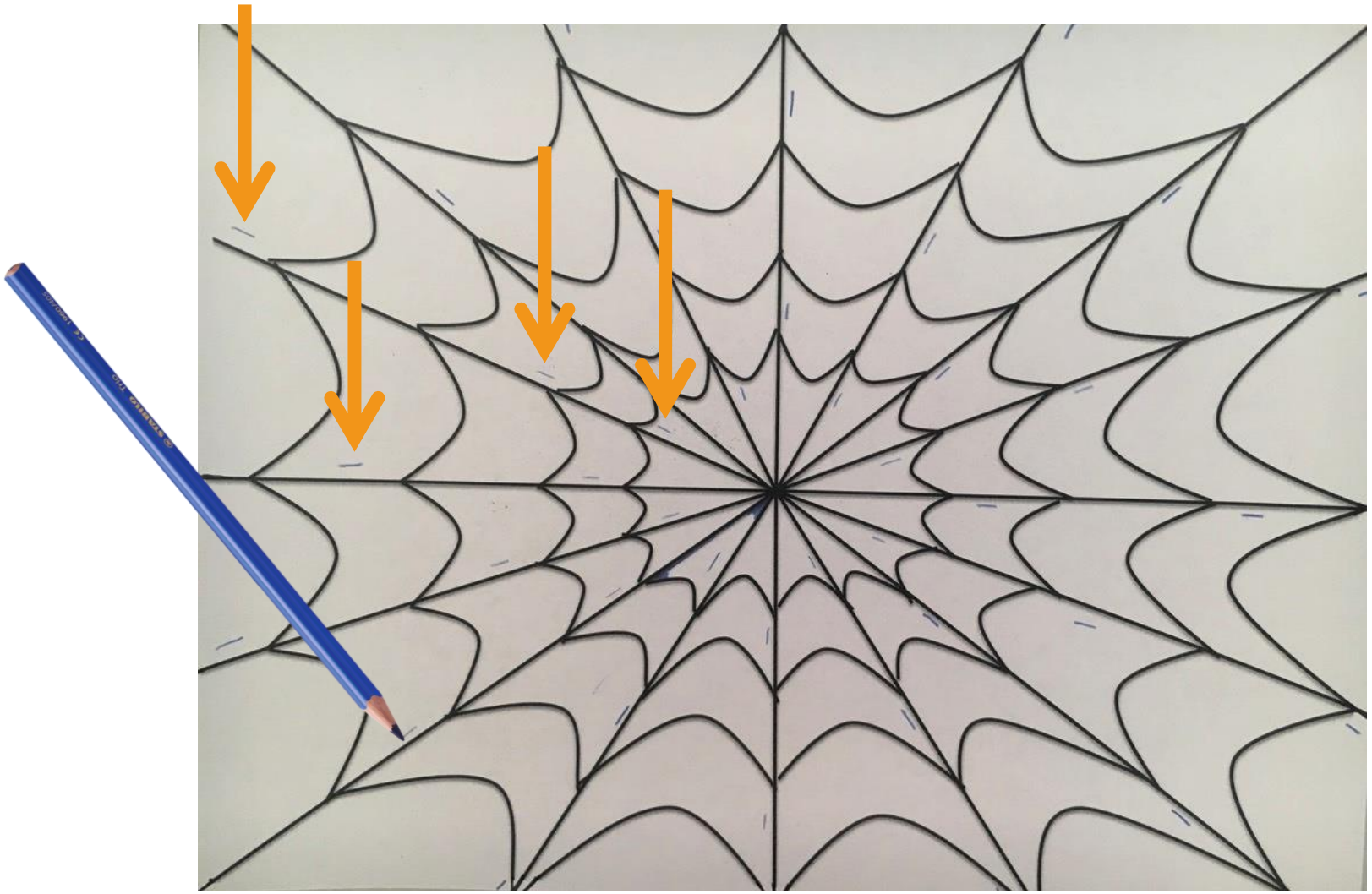
Step 5

- Your web should look similar to this when you have drawn all the lines.
- Please choose one colored pencil (not yellow – yellow is too light).



Step 6

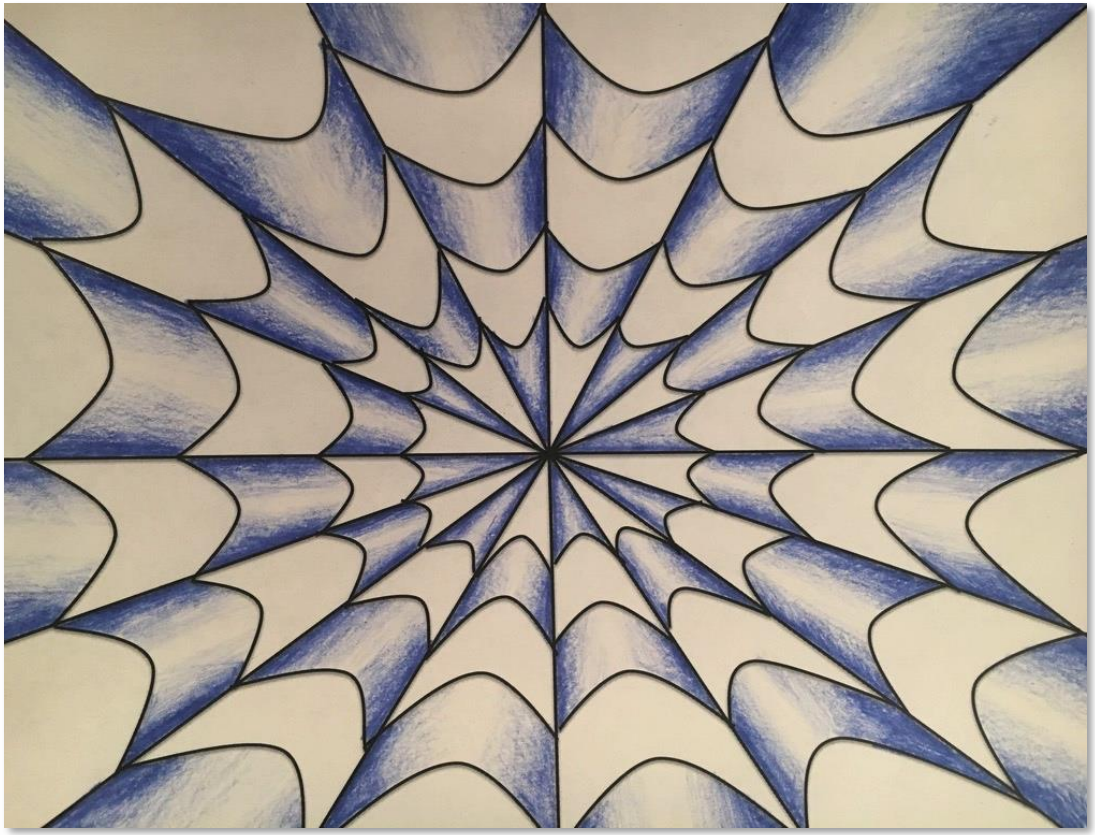
- By focusing on one part at a time (either by a section or row around the circle), put a very light mark close to straight lines in alternating sections with your colored pencil.



Perspective

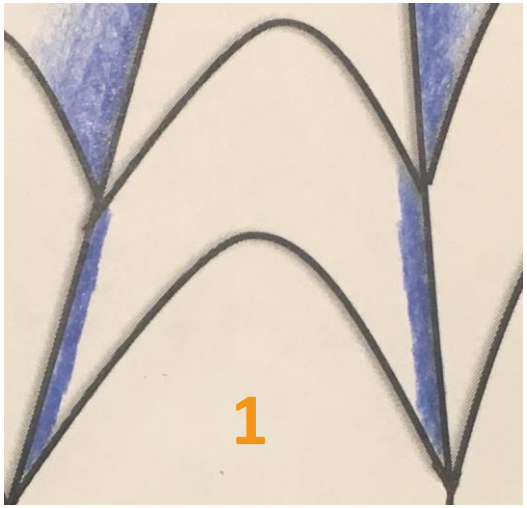
- In an actual 3-D piece of fabric there are high places and low places.
- To create an illusion of depth or space on a flat surface, the spaces need specific shading.

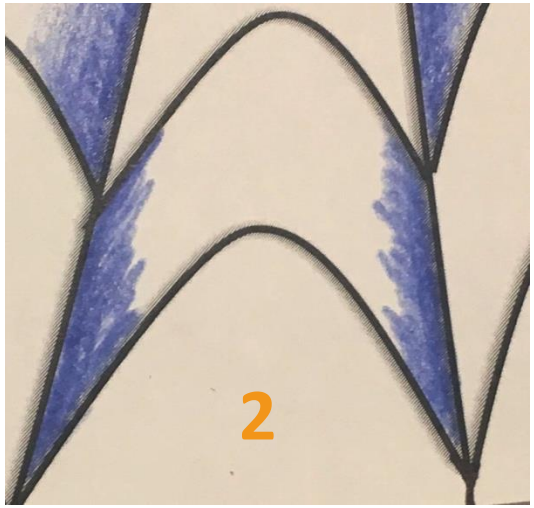


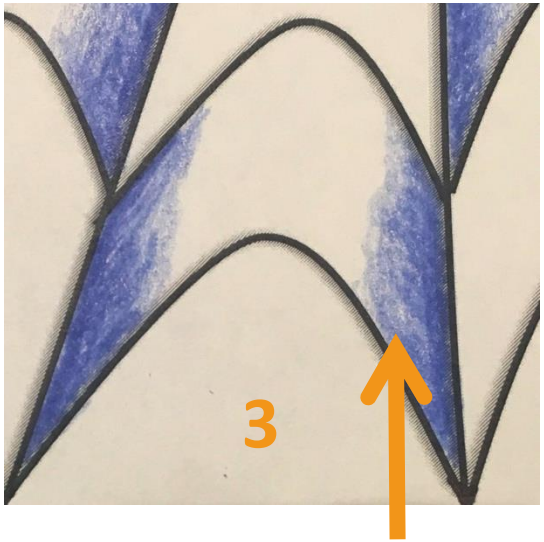


3-D Shading Technique

- Step 1 & 2: Start darker by pressing harder on the sides near the straight lines.
- Steps 3, 4 & 5: Then press lighter and lighter until you're hardly pressing at all.

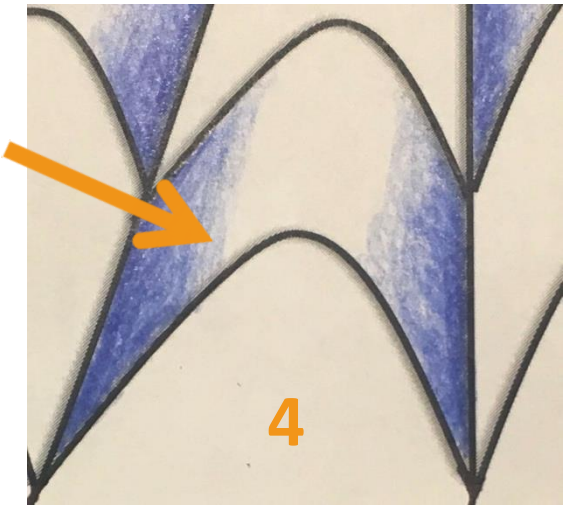


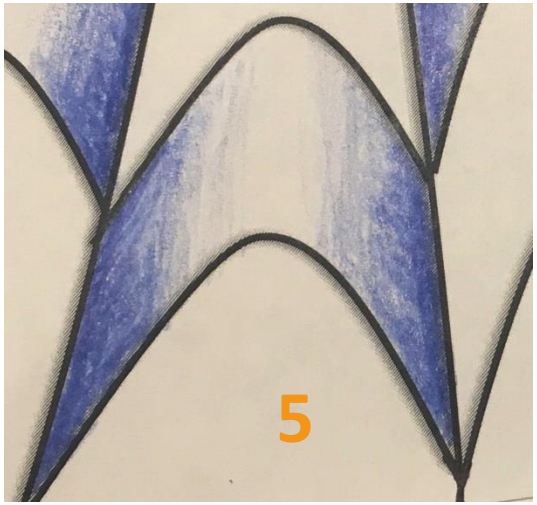




3: Small, light-pressured circular motions to blend (use a <u>dull</u> pencil)

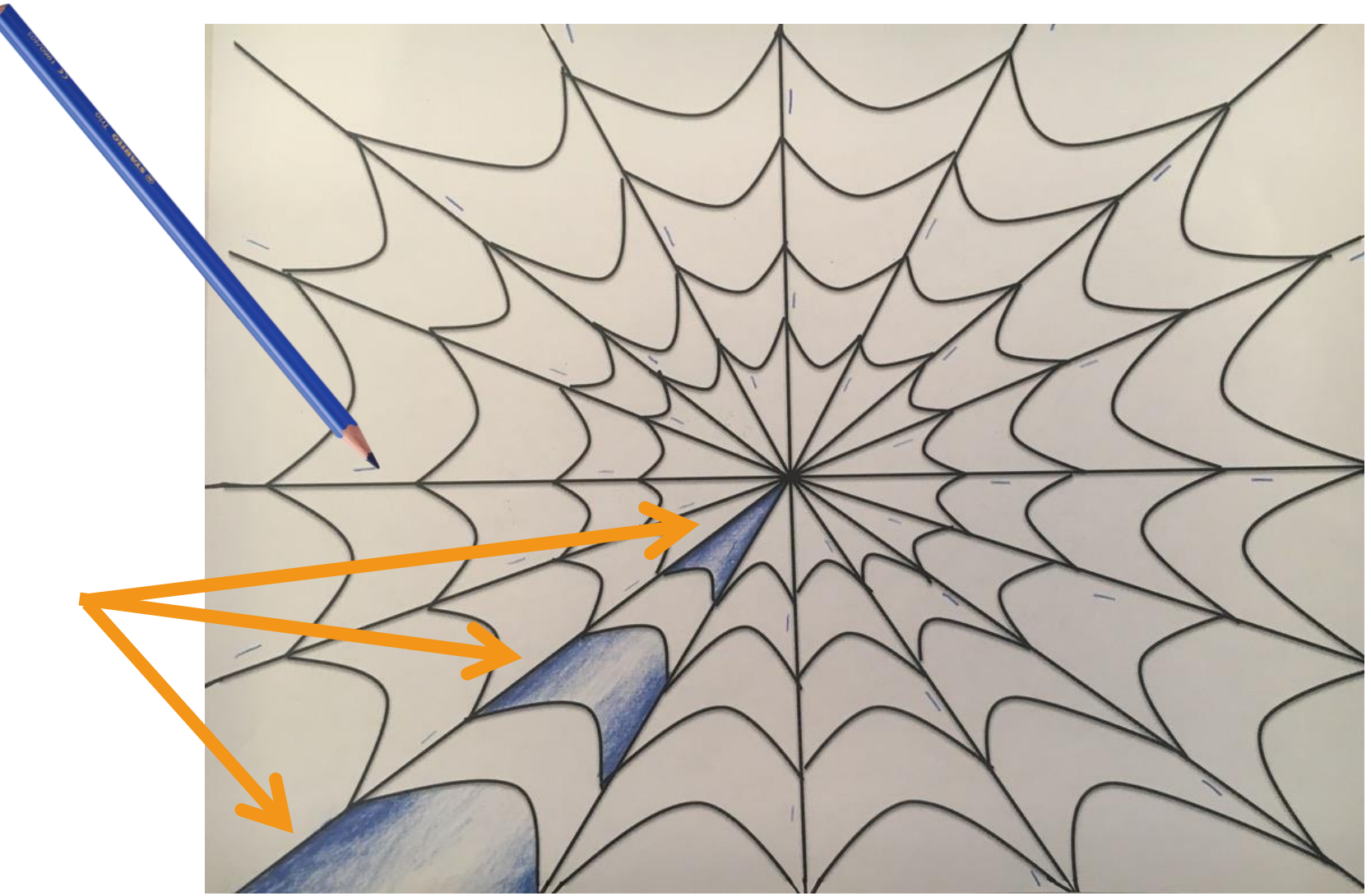
4 & 5: Lighter-pressured, straight strokes to blend into the white area





Step 7

- Begin shading one section at a time.
- Remember to color only the alternating sections you marked in Step 6.



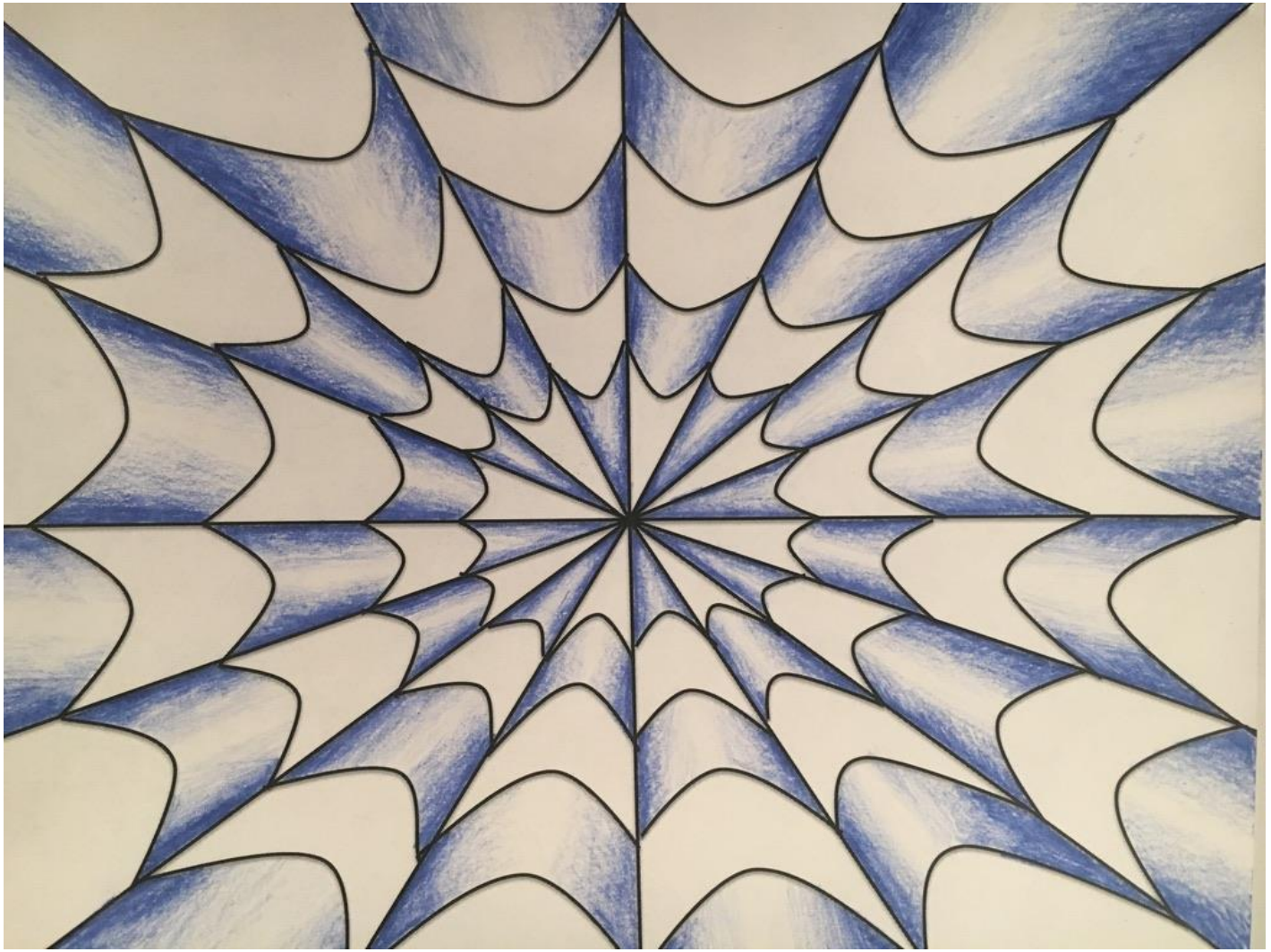
Step 7 continued

- Continue shading one alternating section at a time.



Step 7 continued

- Continue shading until you complete all the sections.



Step 8

Create a spider to add to your Op Art web.



1. Fold paper in half



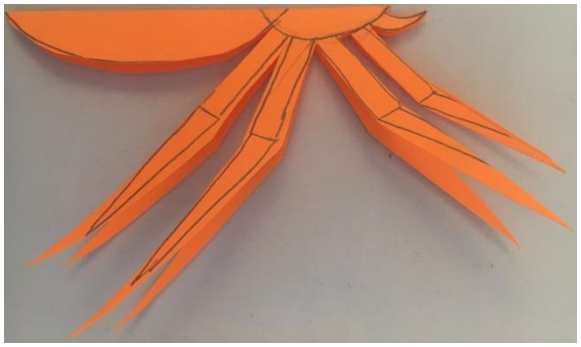
2. On the fold, add two half circles and a fang



3. Add four rectangles and four long triangles for legs



4. Always start cutting from the outside edge

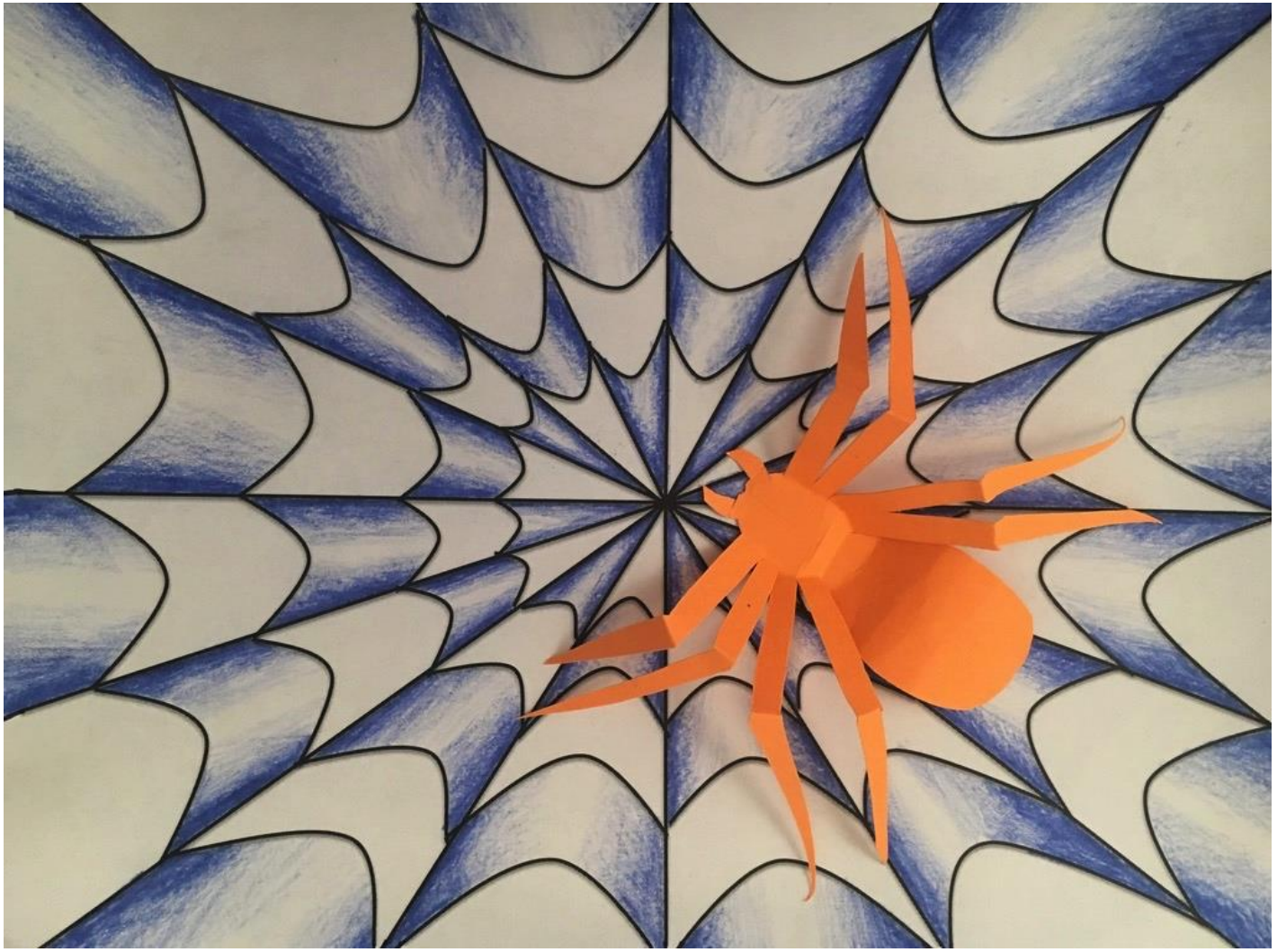


5. Open your spider and fold the body parts where each would naturally have a hinge to make it 3-D



Step 9

- Glue your spider onto your web.



Reflection

- What is the difference between 2-D and 3-D?
- How do artists use the element of space to make something that is 2-D look 3-D?
- Describe how you used shading to create the illusion depth?
- How could you use a different medium to do this project?
- What was your favorite part of our project today?
- Would anyone like to share their art?



Credits

- http://beachpackagingdesign.com/boxvox/the-bridget-riley-sound
- https://en.wikipedia.org/wiki/Bridget_Riley
- http://www.op-art.co.uk/bridget-riley/
- http://curiator.com/art/bridget-riley/stretch
- http://www.theartstory.org/artist-riley-bridget-artworks.htm
- https://en.oxforddictionaries.com/definition/op_art
- https://www.youtube.com/watch?v=_G9eGzxQq2U&feature=youtu.be (video)
- Original LWSD sample art, used with permission.

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