

Cube.

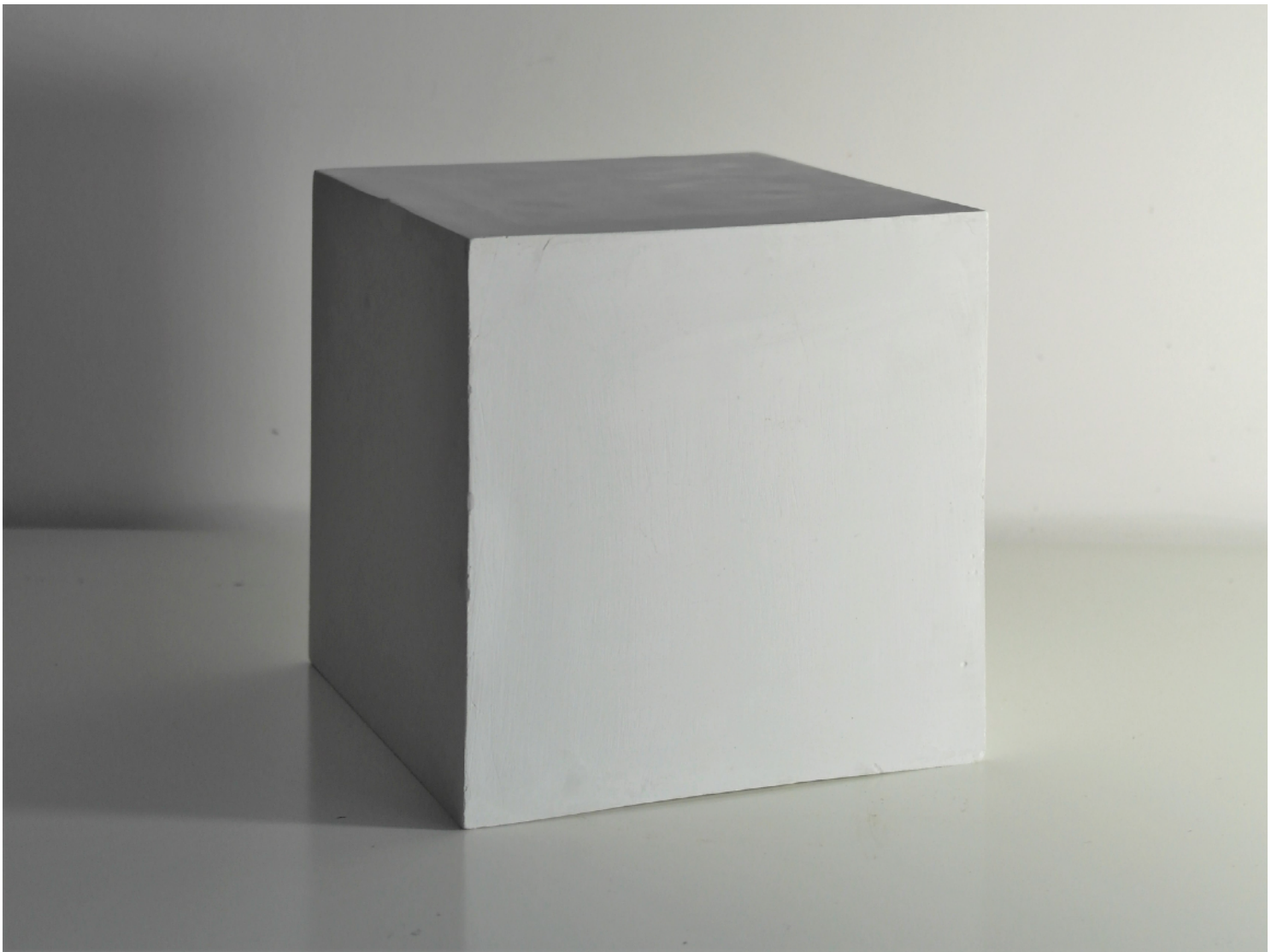
Form, shape, value of subject, structure, tone.

Study of the characteristics and structure of the cube and surrounding background based on linear and atmospheric perspective.

Tone characteristics; lightest light, light, tone, middle tone, shadow and reflection.

Class work photo reference:

Please print the image or make sure it is available on digital device(s) for you during the class. The jpg file is attached.



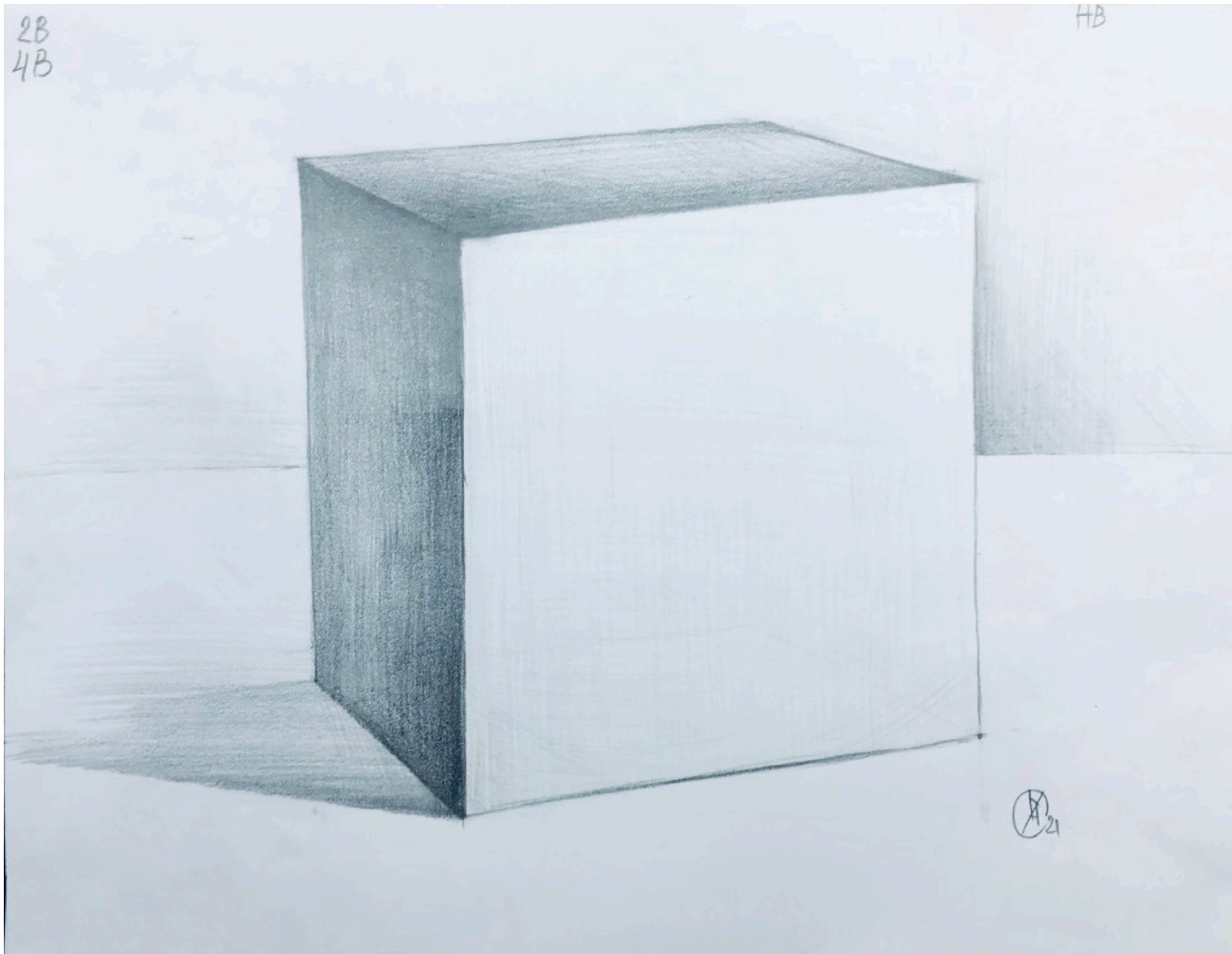
Characteristic of cube:

6 sides

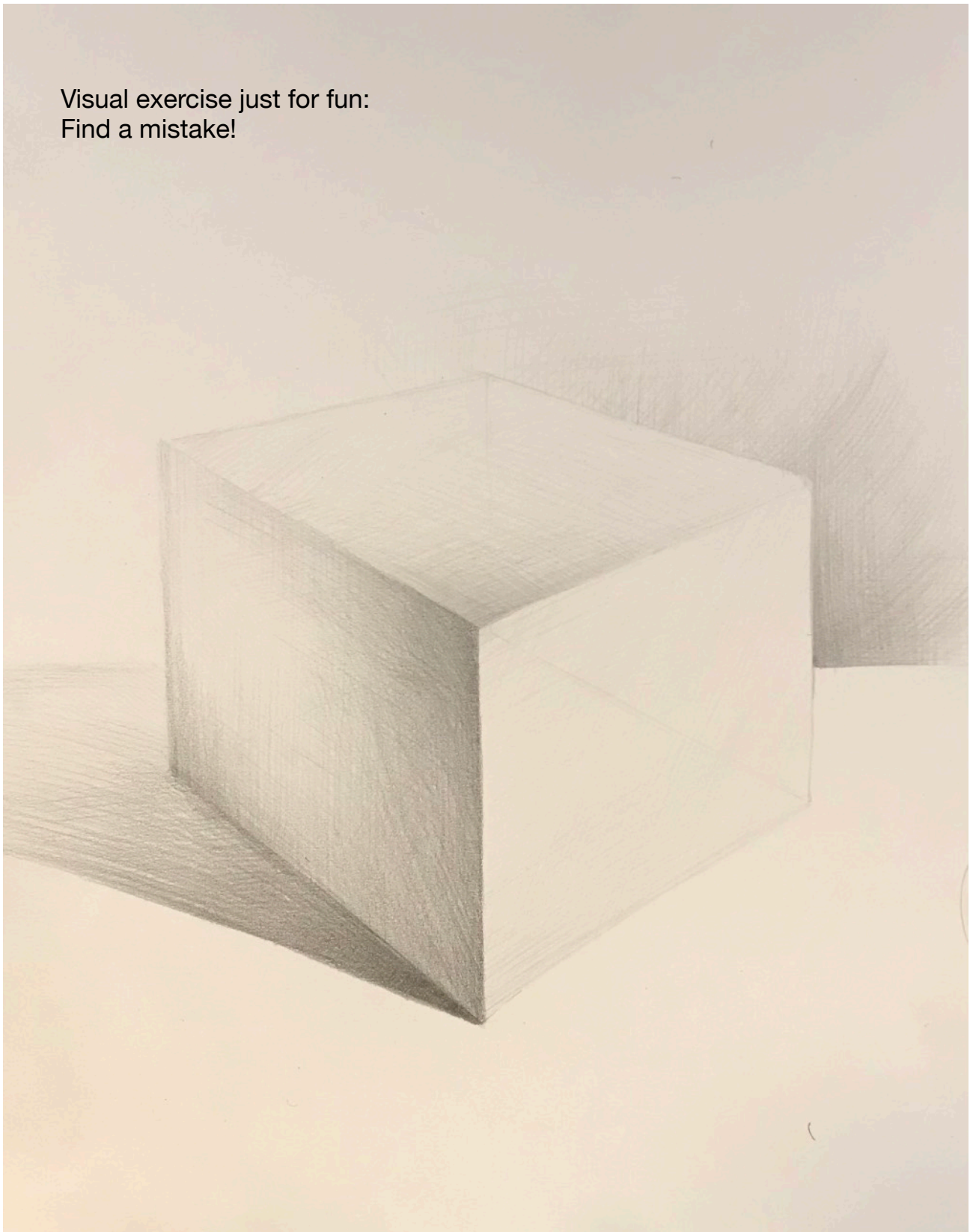
8 corners

12 ribs

Can you count all of them?

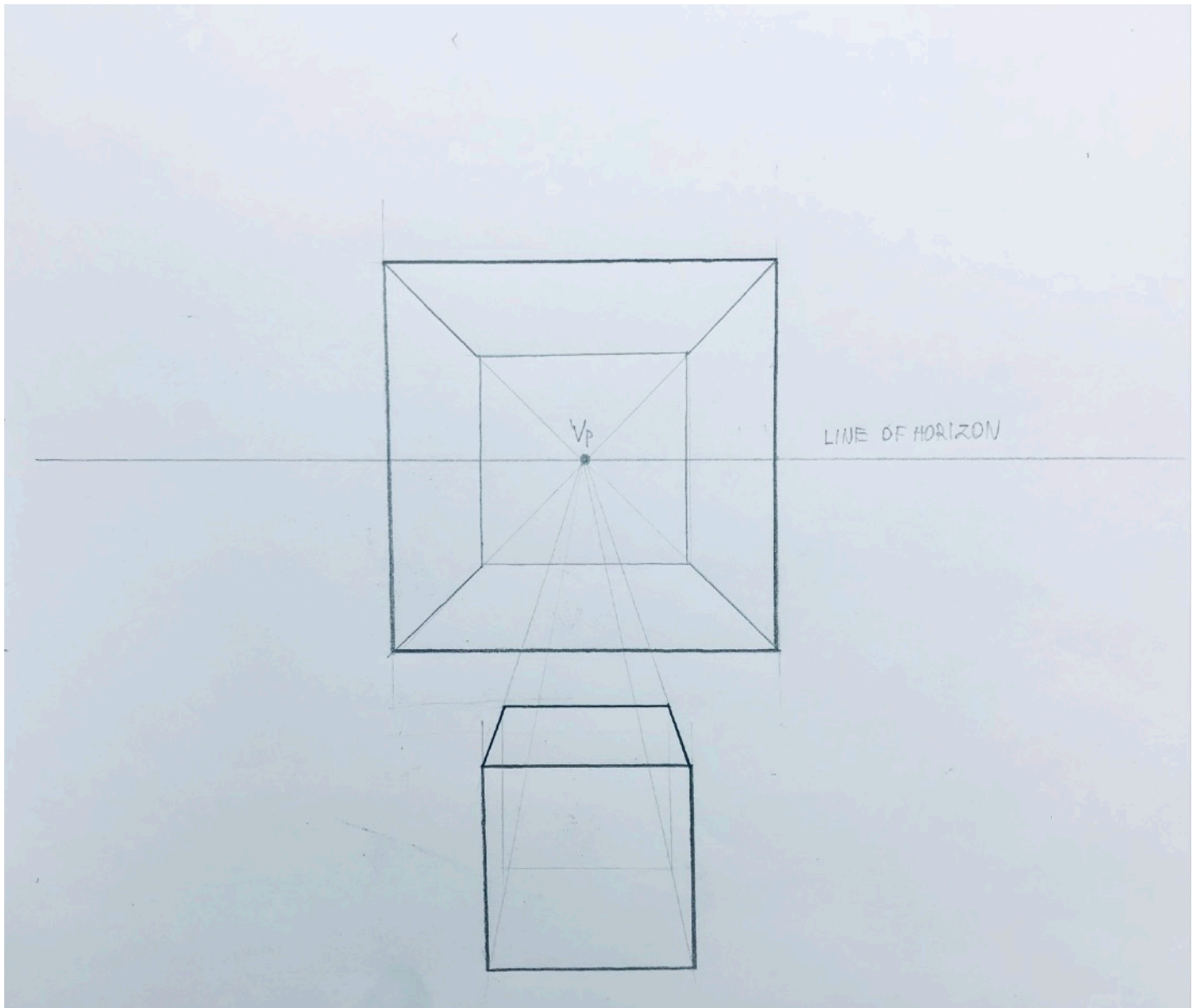


Visual exercise just for fun:
Find a mistake!

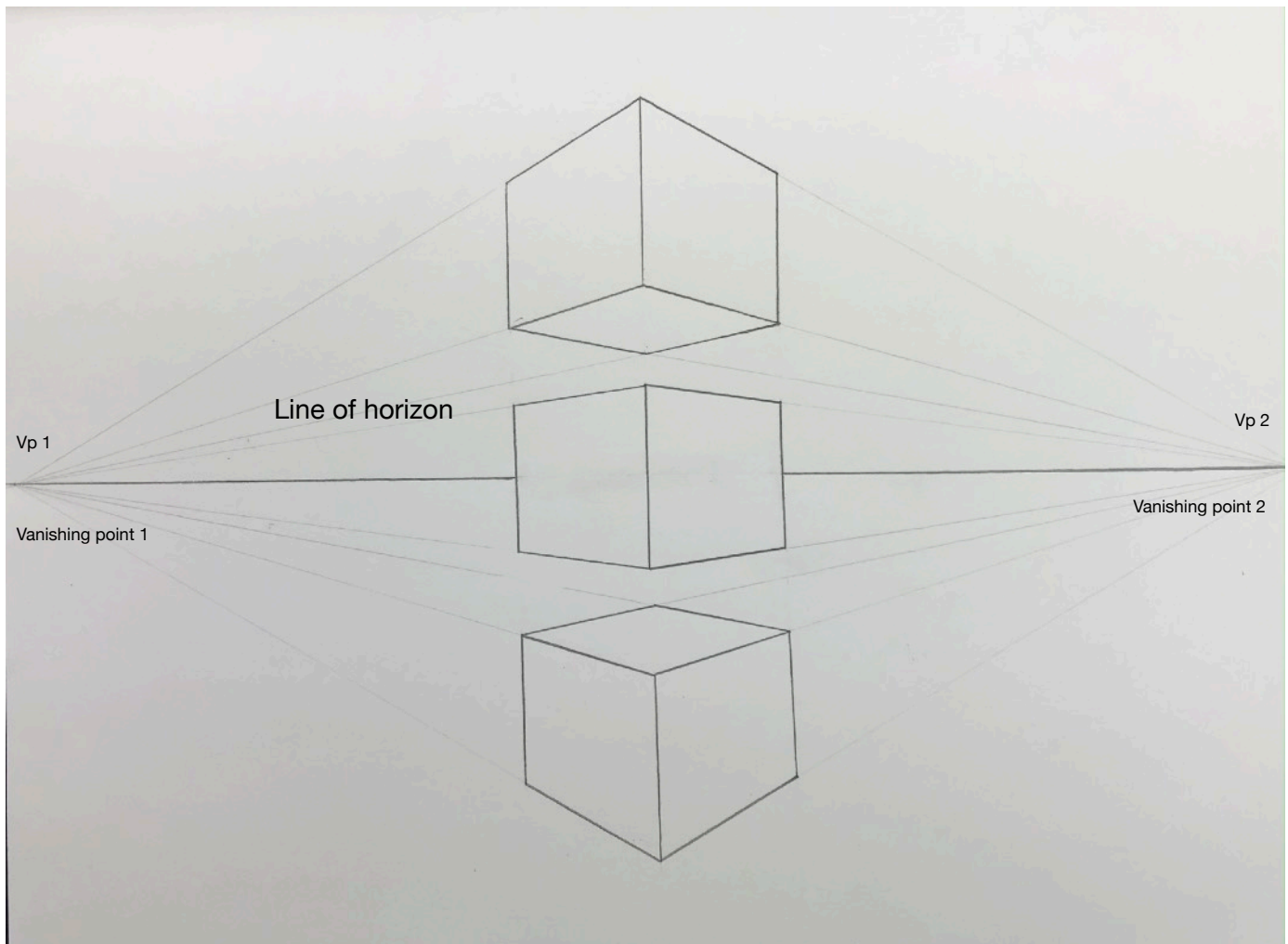


Visual exercise (not for fun):

If you are facing the cube (parallelogram) **right in the middle of one side**; you can see **only two vertical ribs and one or two sides** of the cube (parallelogram) - this means you are seeing the frontal perspective with one vanishing point.



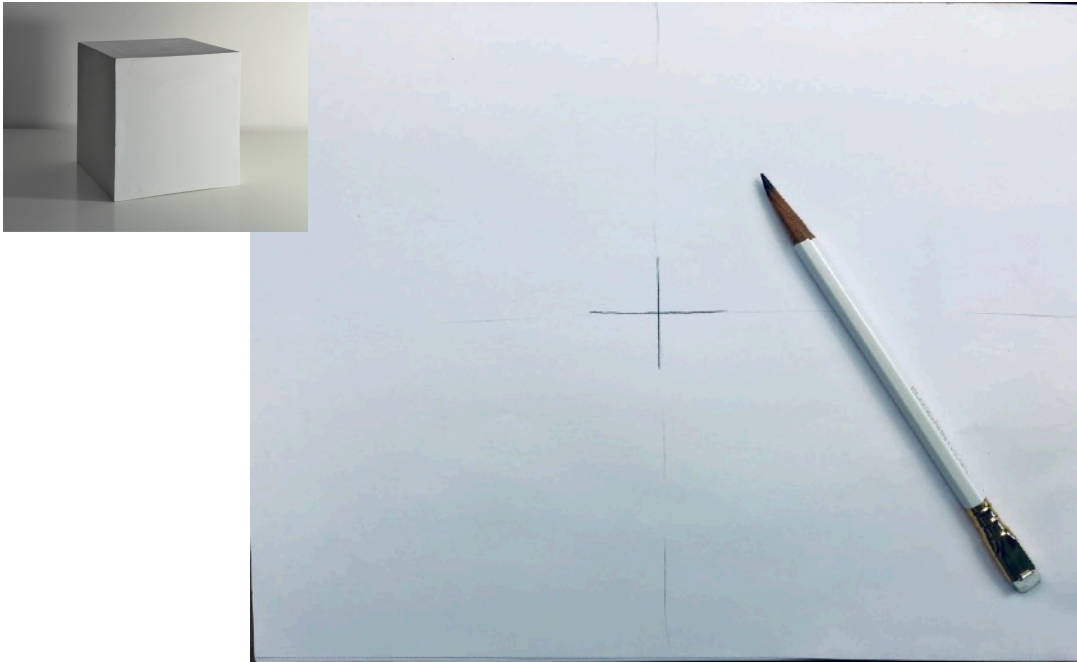
If you are facing the cube (parallelogram) **from any angle**; you will see **three vertical ribs and two or more sides** - this means you are seeing the frontal perspective with two vanishing points.



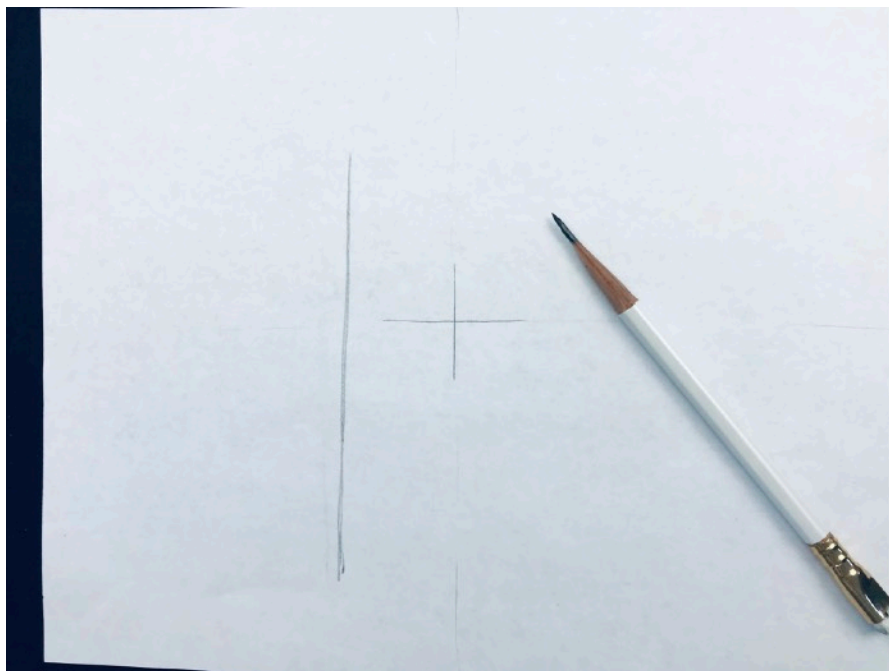
Practical exercise. Step by Step instruction.

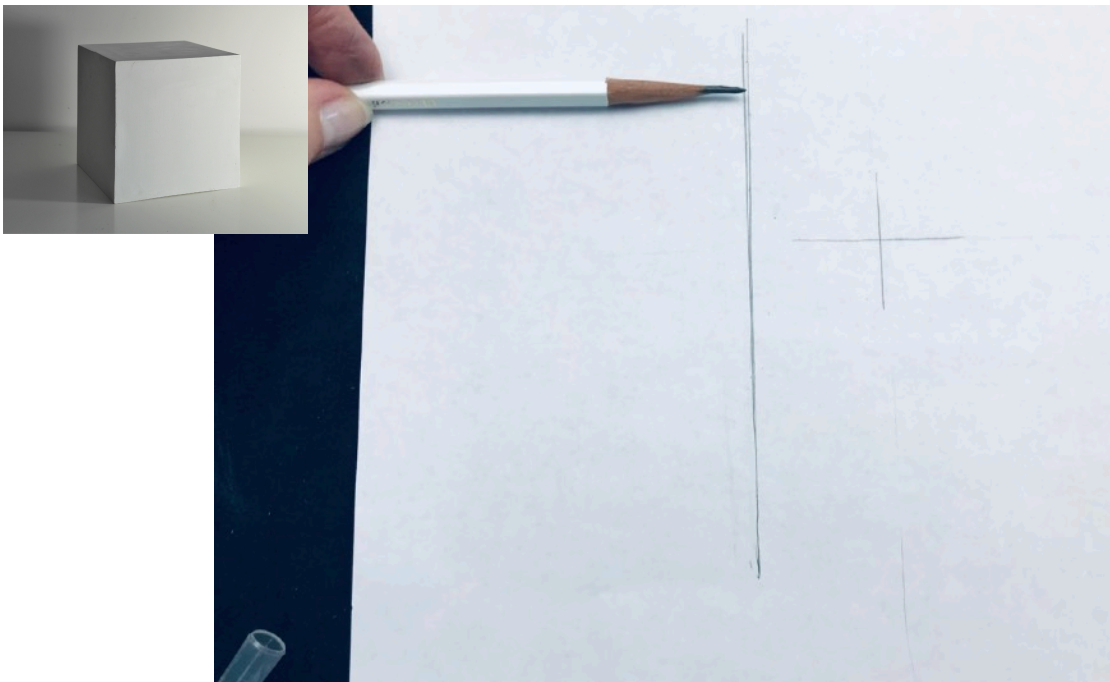
Step 1. Find the physical centre of the sheet. Use an HB pencil and extra light strokes.

Step 2. Find the closest rib vertical line position.



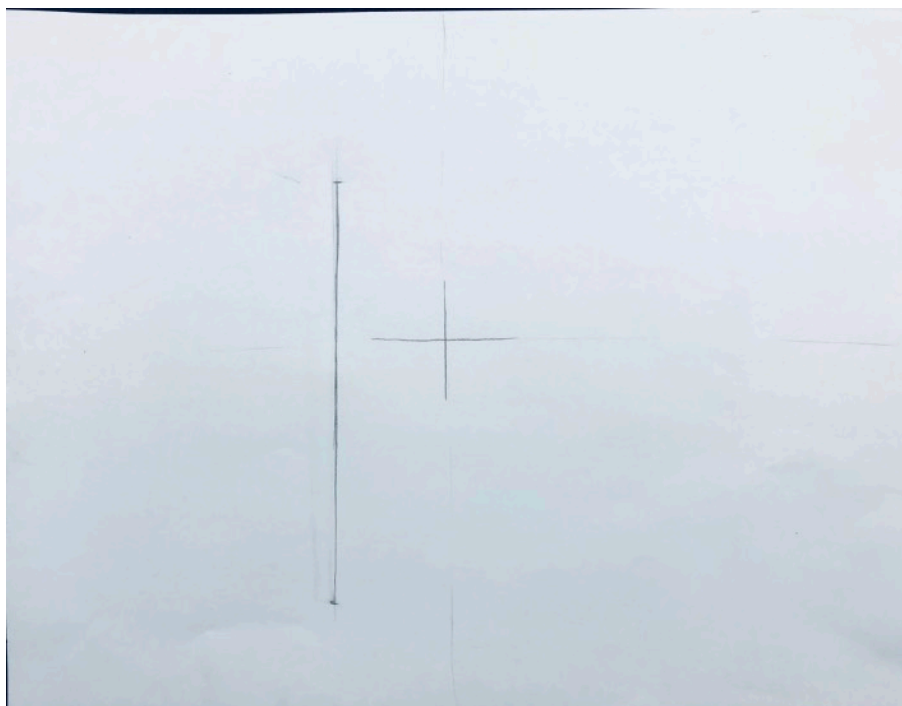
Step 3. Make sure that the rib's line is vertical and straight.



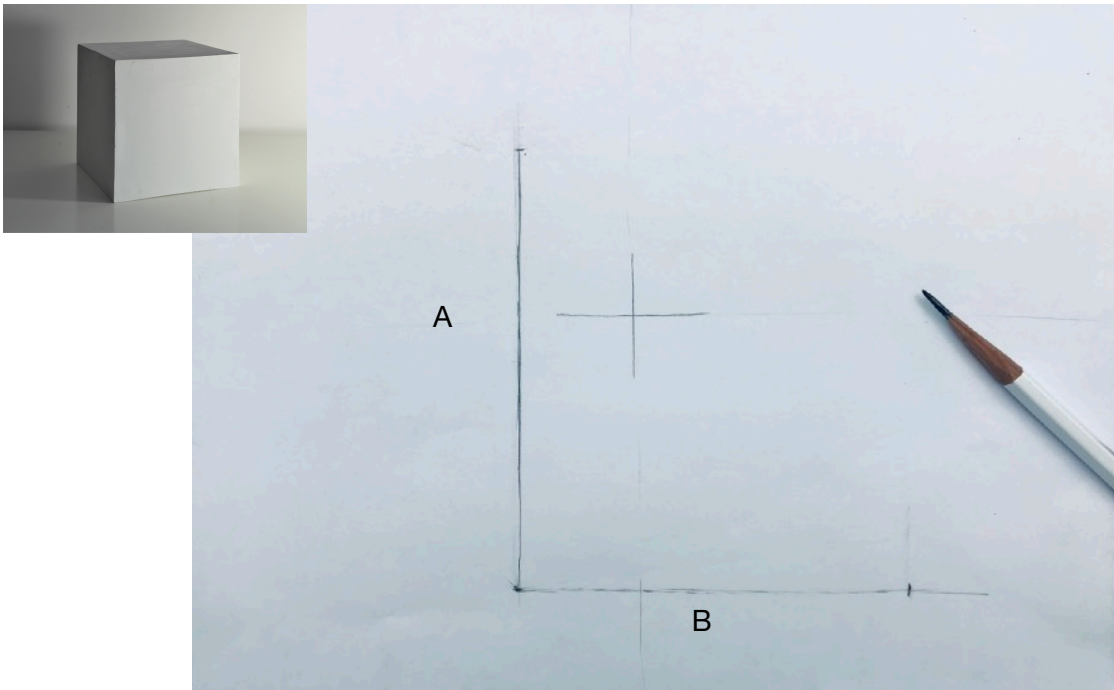


Step 4. Find the top and bottom points of the rib.

Step 5. In this step you will create the bottom line of the right side of the cube.

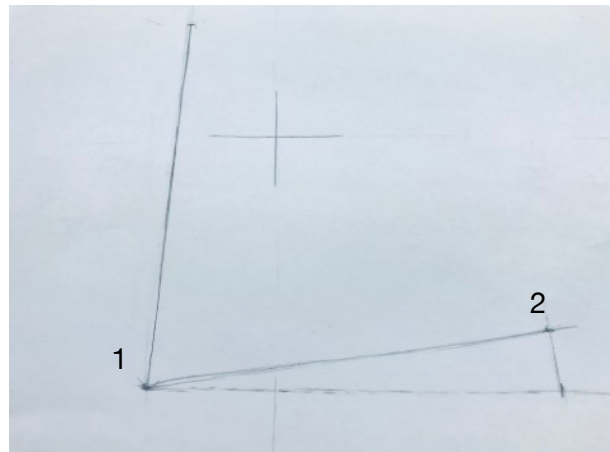
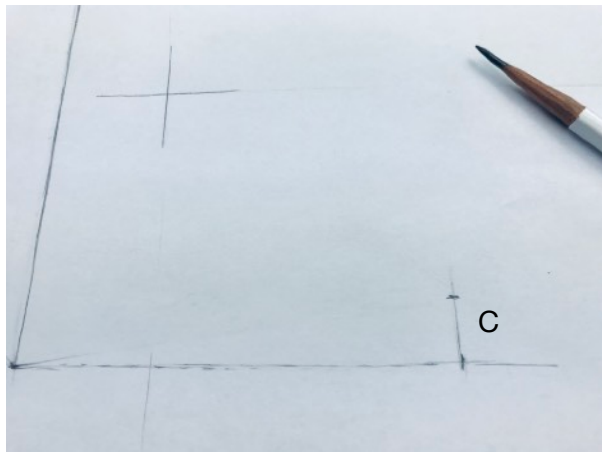


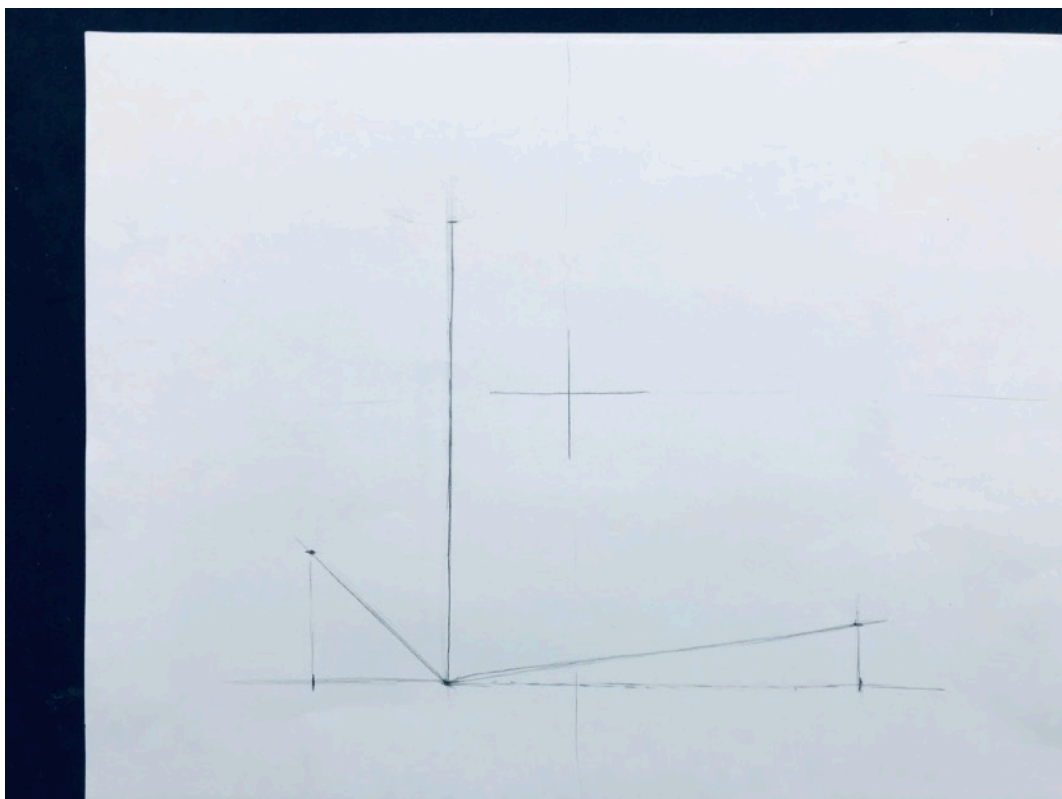
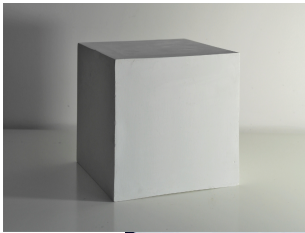
Draw a horizontal line. Measure the line B. It is slightly smaller than line A.




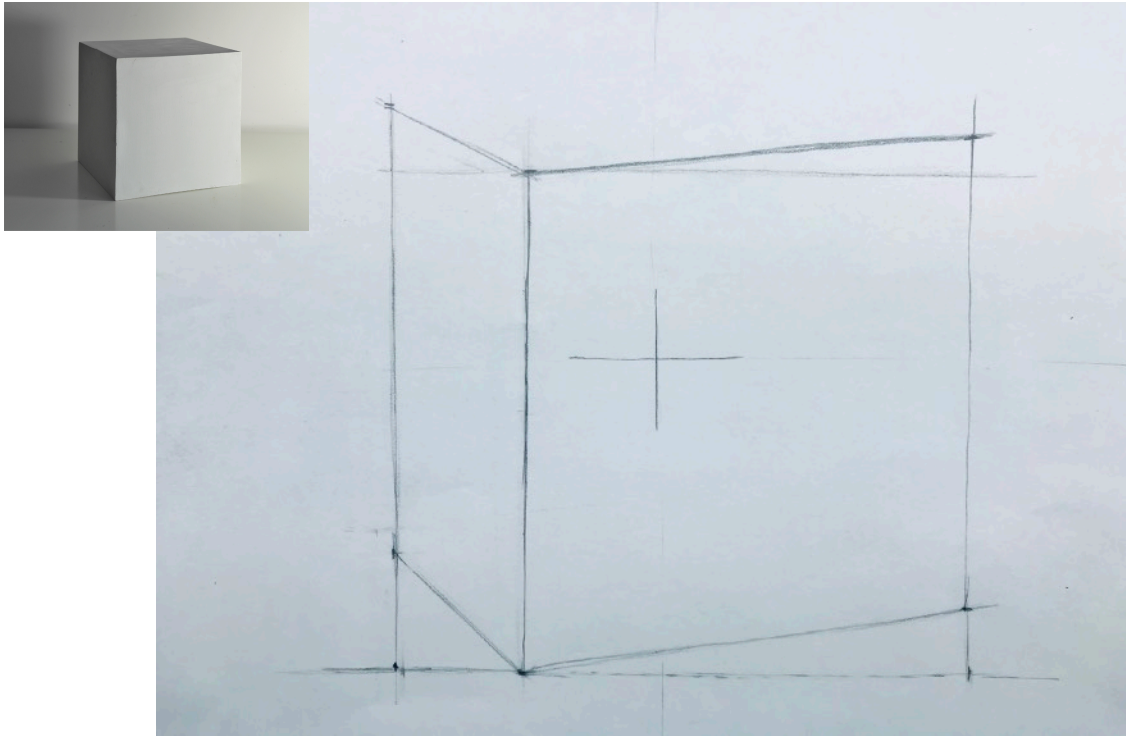
Find line C. It is approximately $\frac{1}{5}$ of line B.
Join the point 1 and 2.

Step 6. Using the same steps create the bottom line of the left side.

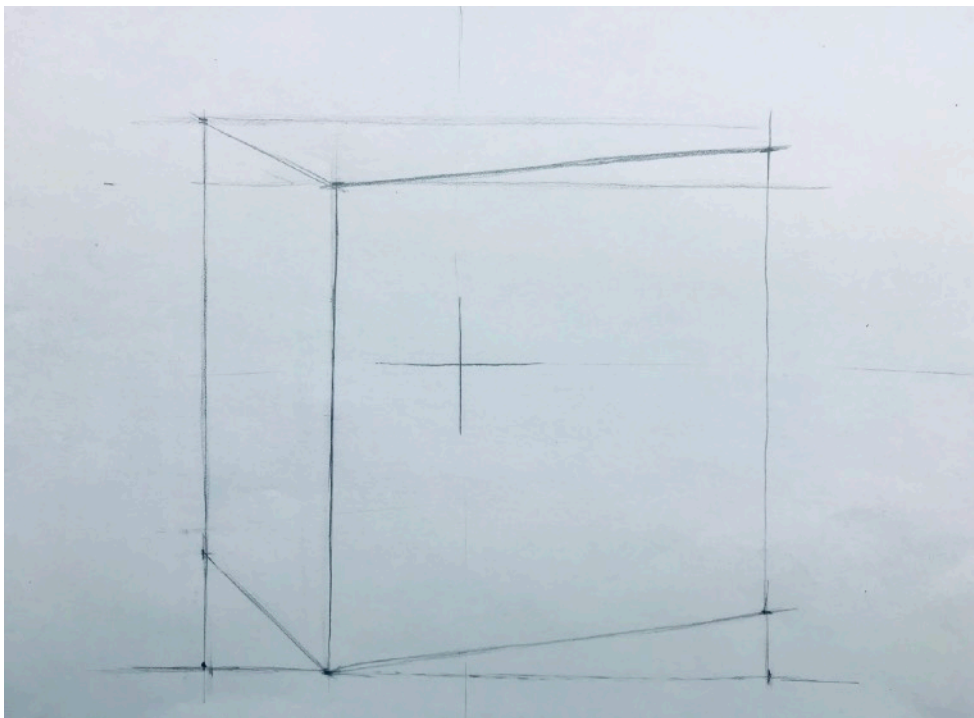


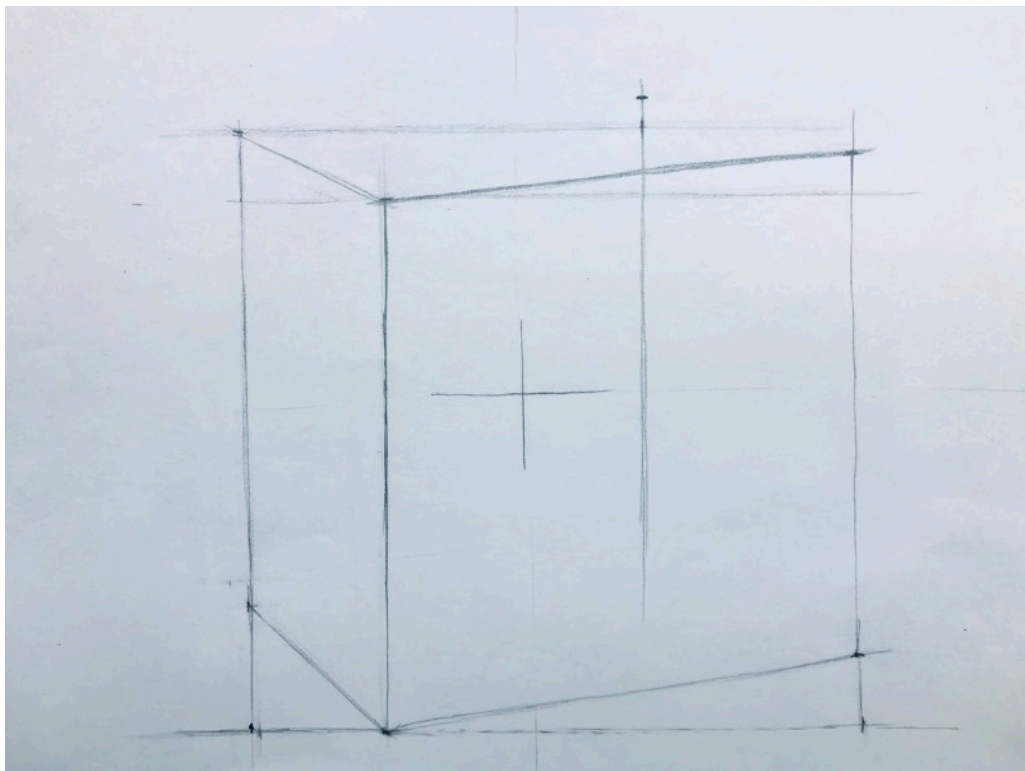
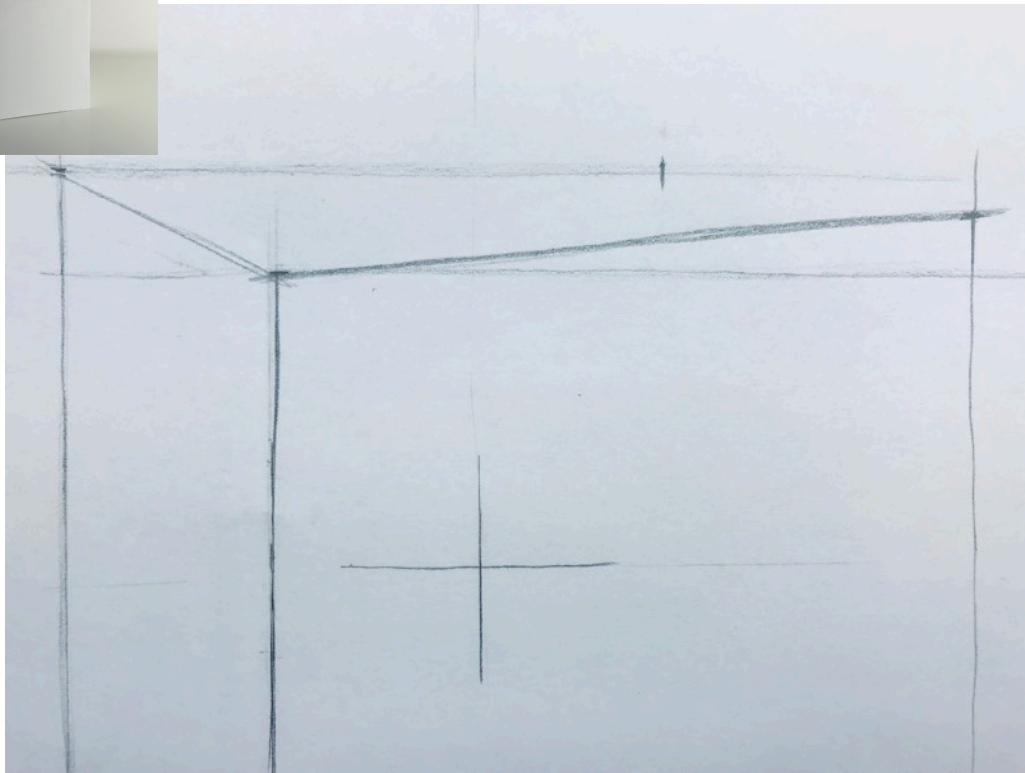
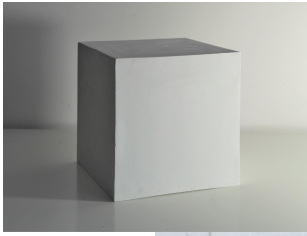


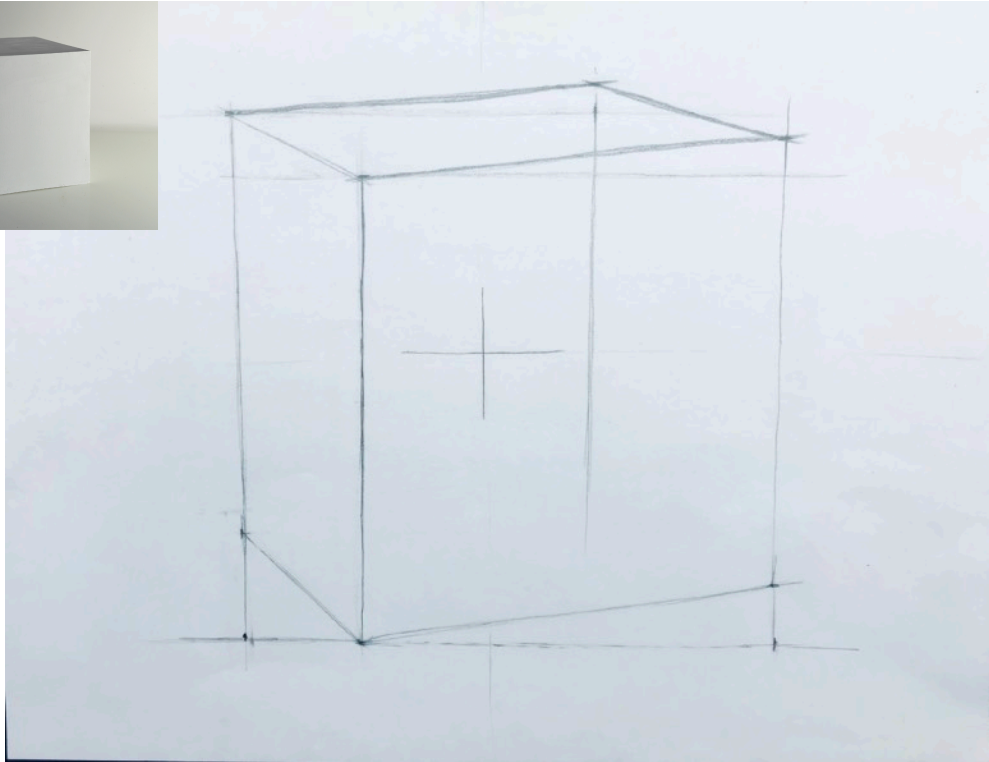
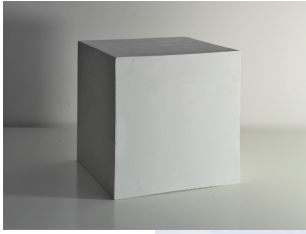
A photograph of a white cube resting on a white surface. The cube is positioned in the center of the frame, casting a soft shadow to its left. The background is a plain, light-colored wall.



Step 7. In this step need find the final visual rib lines. Using the same steps as before.

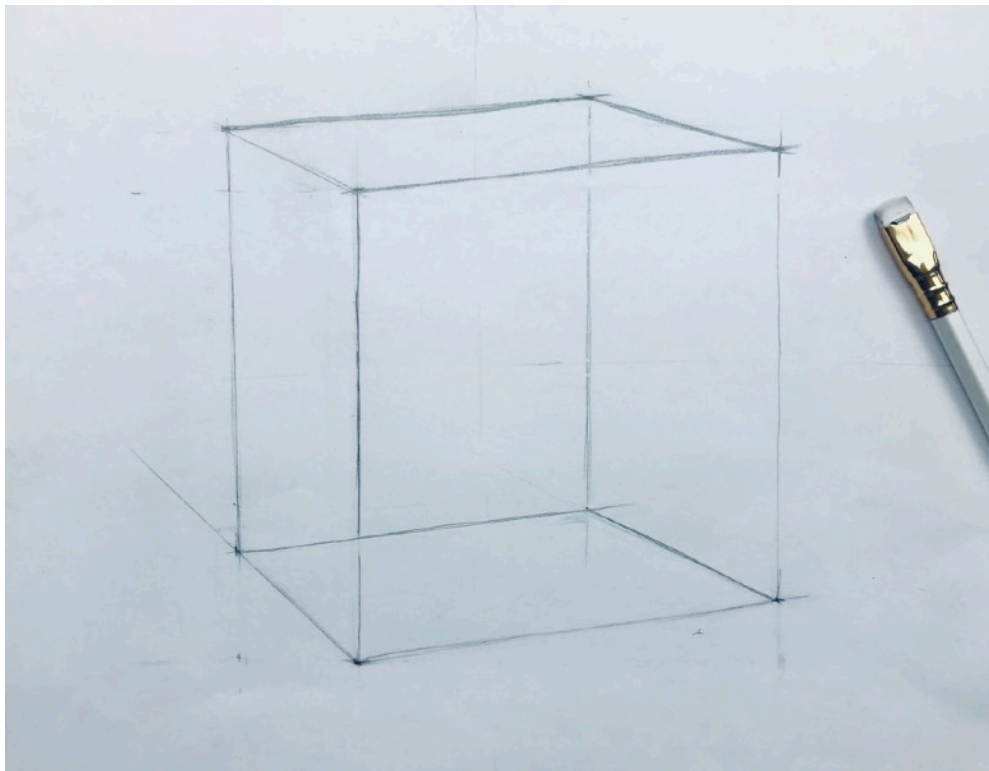




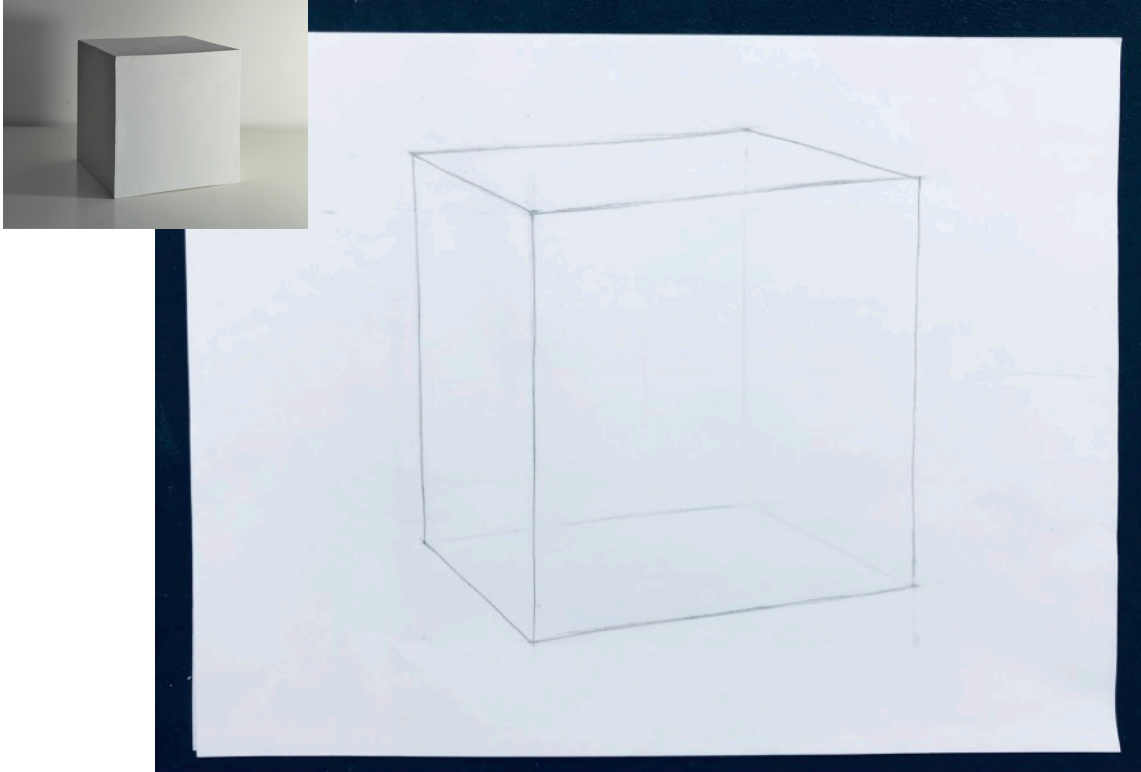


Step 8. Create the invisible ribs. Make sure your drawing is correct and looks right.

Step 9. Once you are happy with your drawing. You can erase all construction lines.

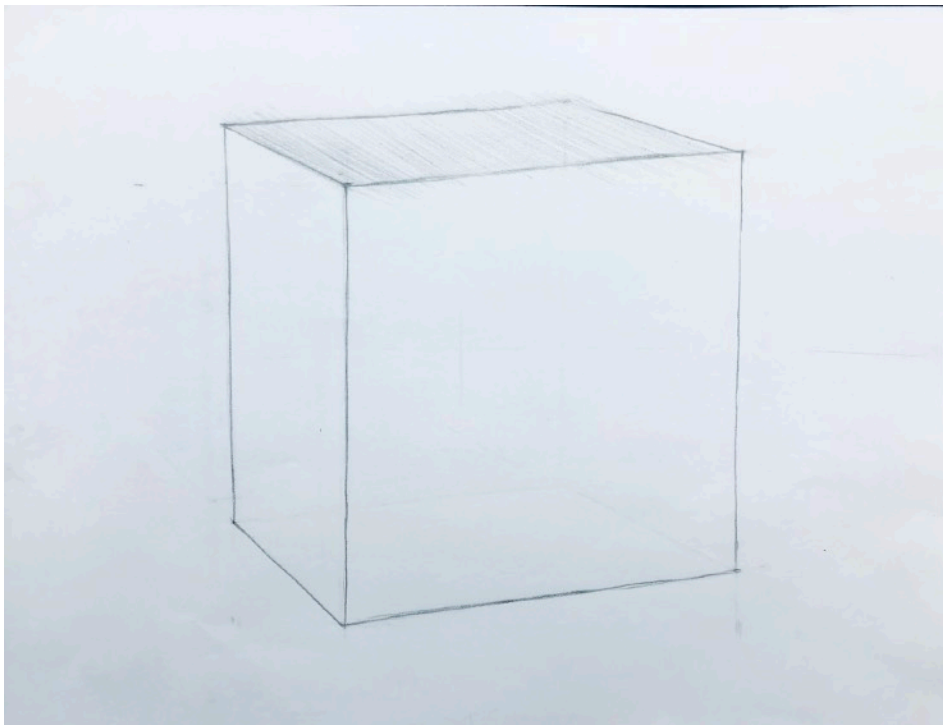


Step 10. Start covering the top side using an HB pencil. You can create overlapping



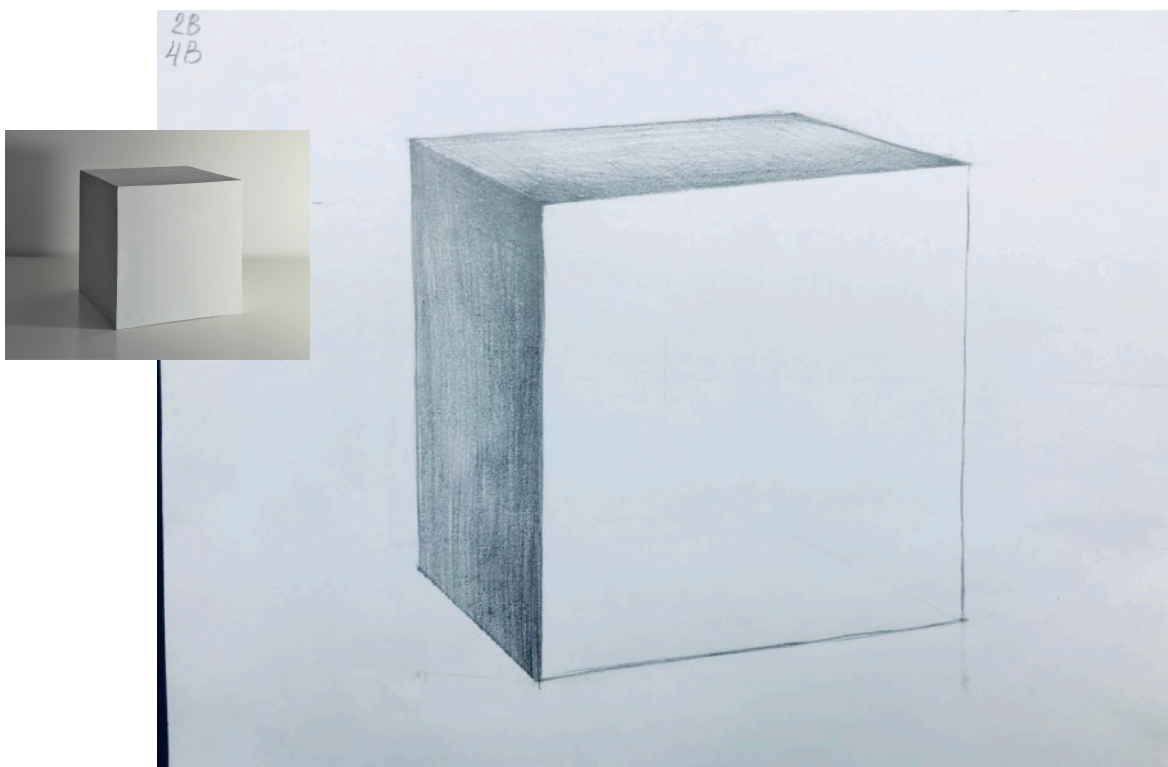
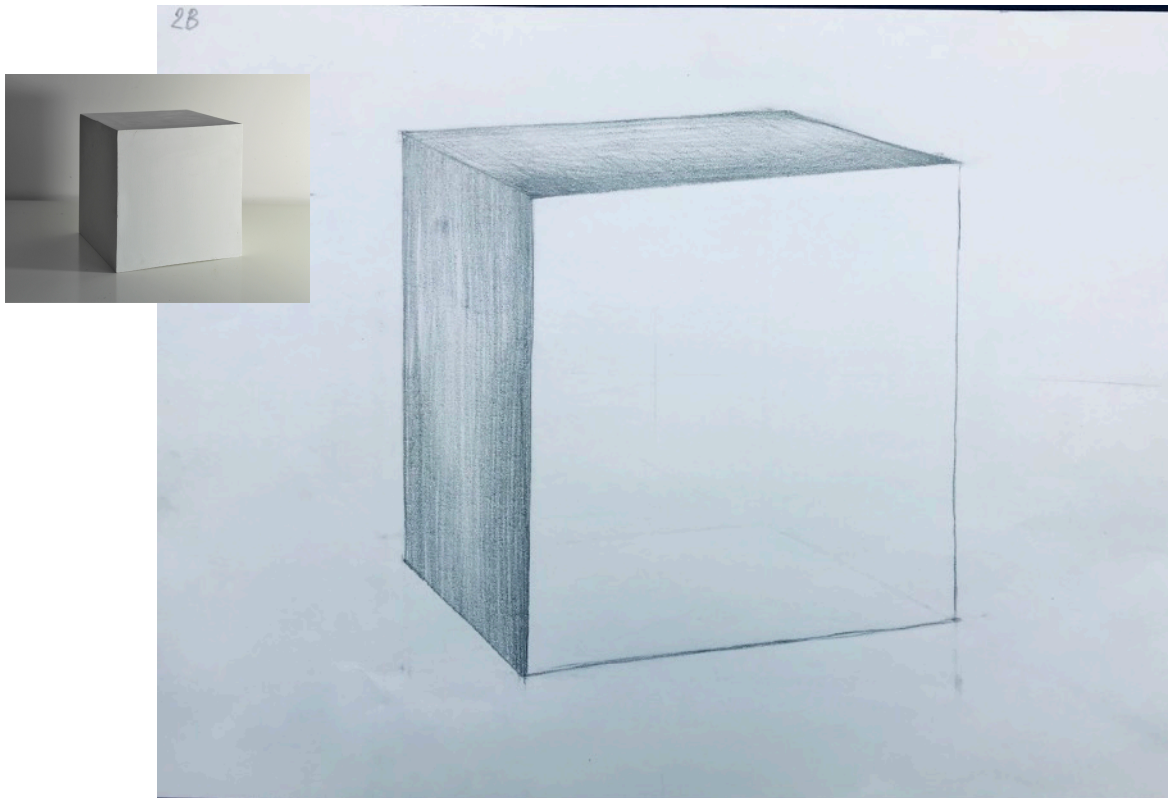
strokes “outside of the box”.

Step 11. Add more shadowing using a softer 2B pencil. Erase all “out the box” lines.



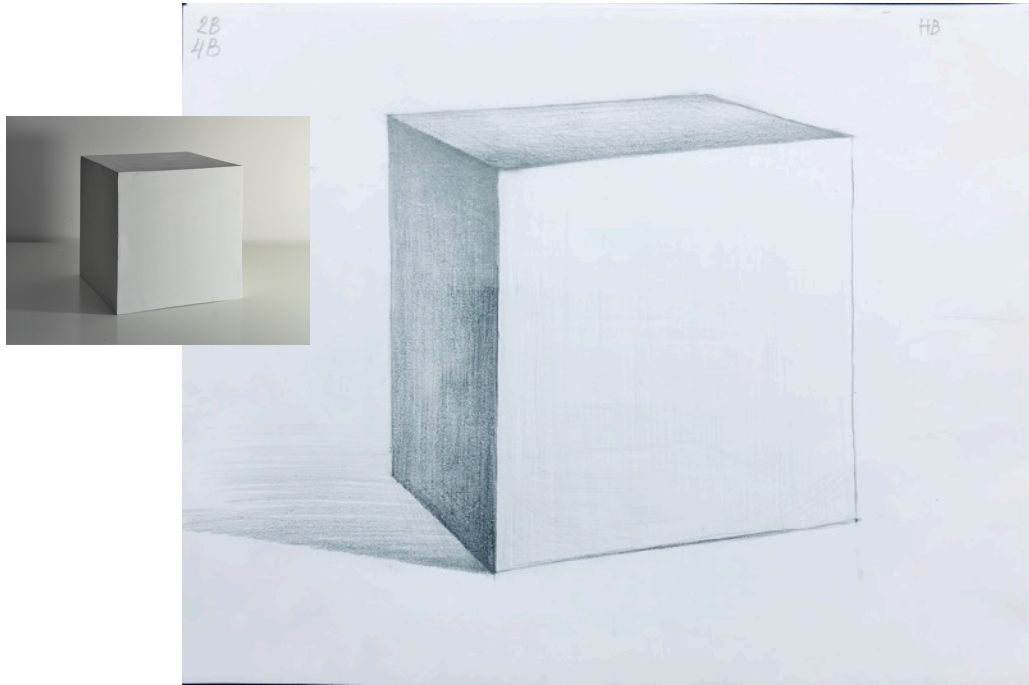


Step 12. Continue using a 2B pencil to cover the shadowed left side. Add more contrast using a 4B pencil.

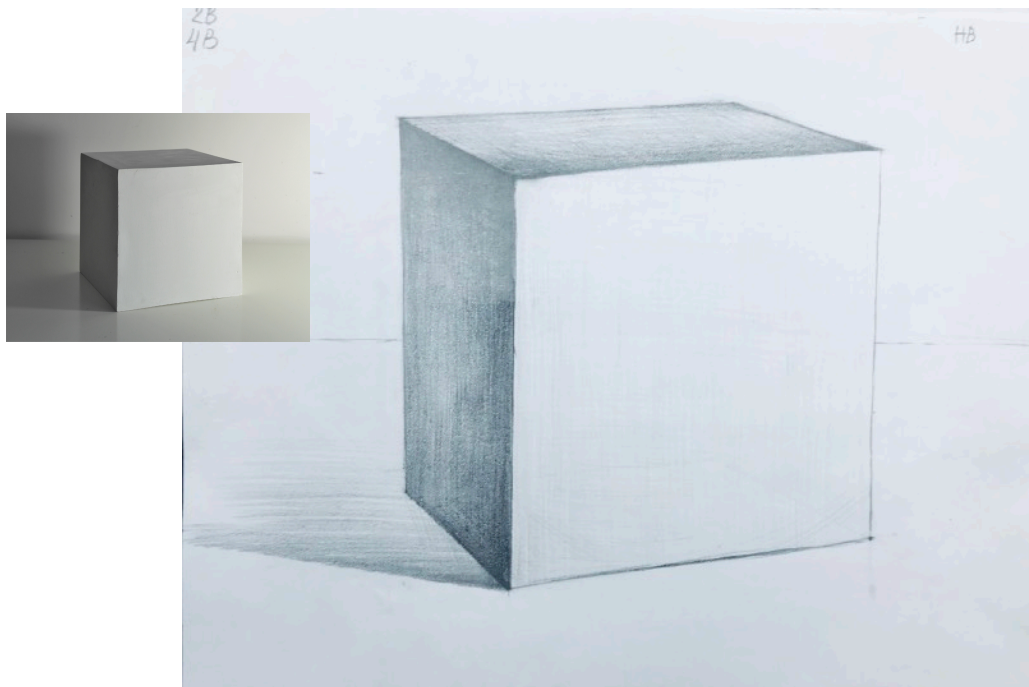


Step 13. Using the an HB pencil cover the front lighted side with very light strokes.

Step 14. Using a 2B pencil create the cast shadow on the left side.



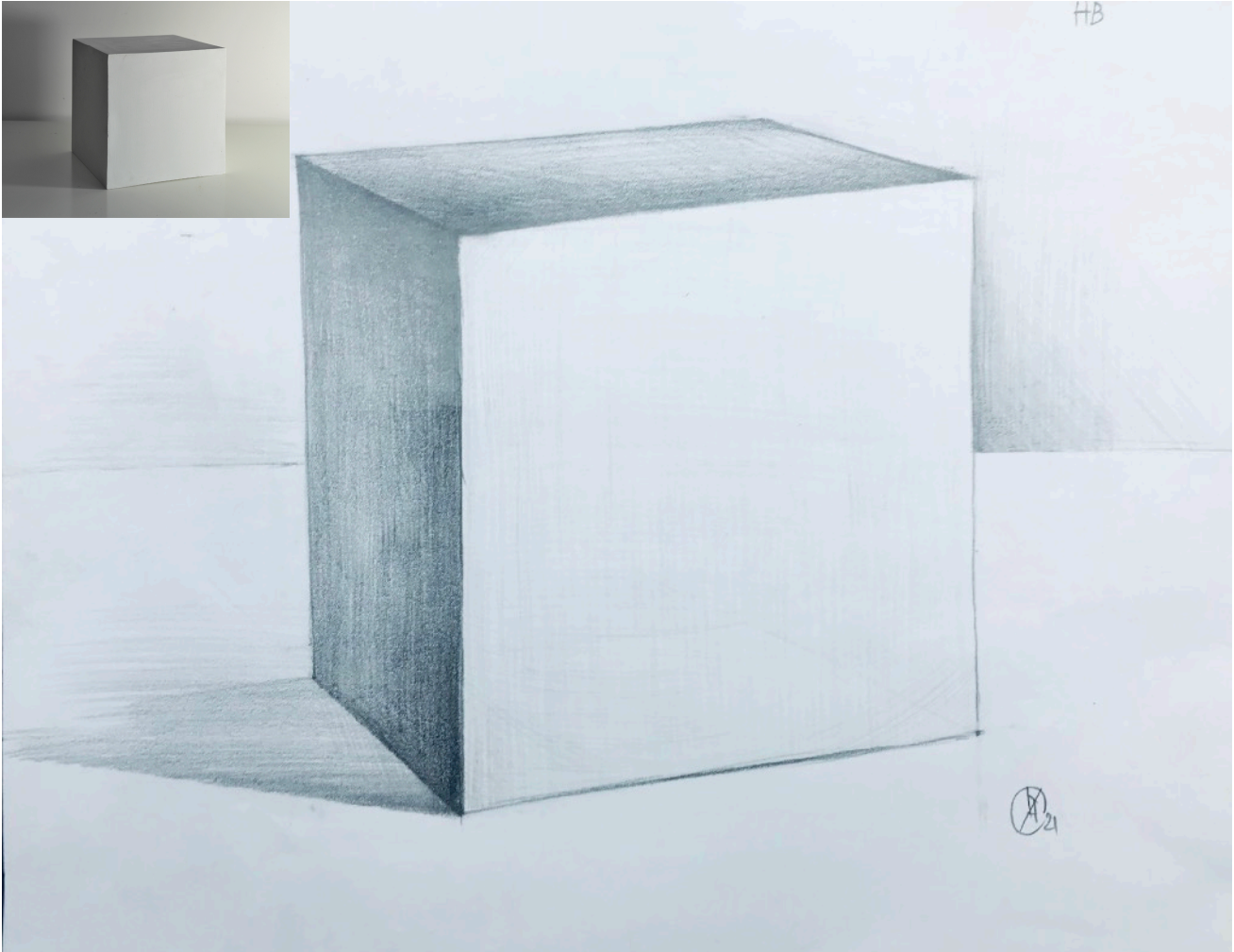
Step 15. Find the border line between the horizontal and vertical surfaces behind the cube. Easy tip, find the end of the table.



Step 16.

To make the lighted side of the cube more pronounced create an even light tone on the vertical wall behind the cube.

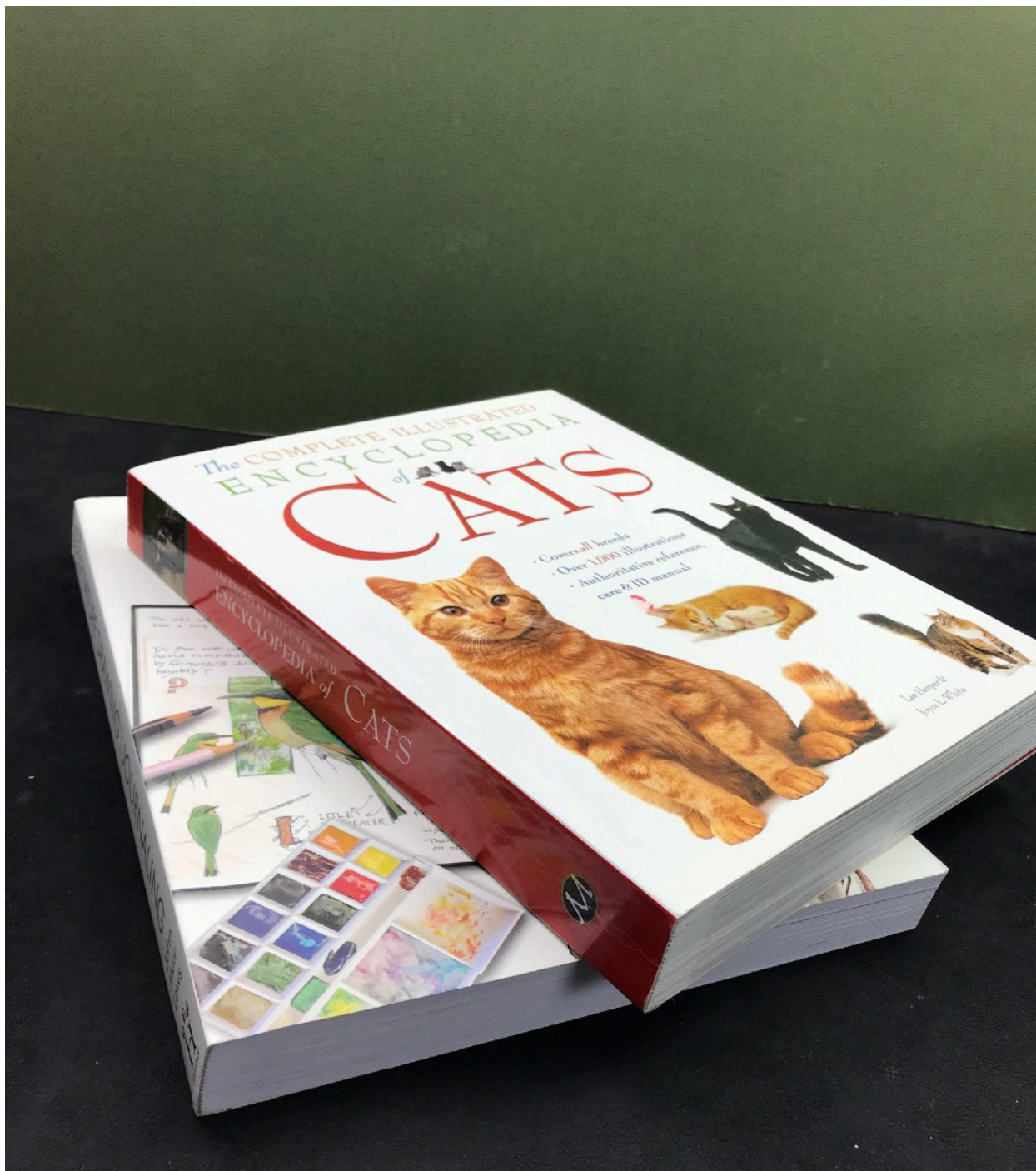
Start with an HB pencil, create vertical and angled strokes making it slightly darker closer to the rib of the cube.



Optional homework exercise 1.
Still life composition with two cube shapes.
Two gift boxes.



Optional homework exercise 2.
Still life composition with different shaped objects.









**Materials that I am going to use during the course.
You can use what you have.**

Printer paper for photo references (optional).

Drawing paper:
Strathmore, 180 gm2
Canson, 225 gm2
Canson Recycled XL 260 gm2

Pencil Derwent 2H, HB (F), B, 2B, 4B
9B (optional)

Kraft knife;
Ruller;
Sand paper;
Artistic tape;
A drawing board;
Eraser: Black; Kneaded and Battery operated
Eraser shield (optional)
Masking liquid (optional);
Liquid soap - 1/4 teaspoon (optional);
A small cheap brush (optional)
Dusting brush (optional)
Paper towels
A pen for taking notes.

A lots of patience (required).

Additionally for this class you will need (optional):

- Cube model. Any cube shape box. Or make it using the pattern (file attached). Print the pattern, cut it and glue it together. (optional)
- Table lamp.

