

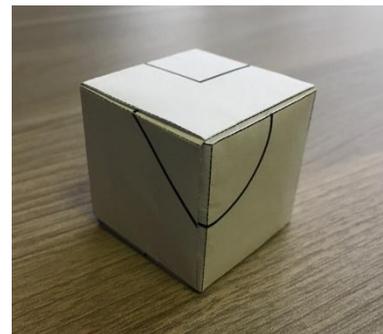
Drawing Dice

Topic/Learning objectives of exhibit:

Geometry, shapes.

List of Materials Required:

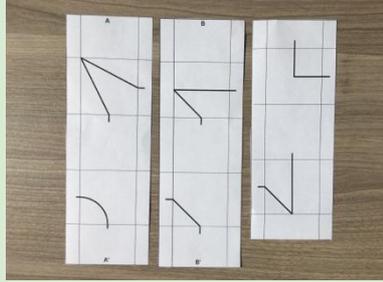
- 4 copies of the template file of Drawing Dice Contour printed on a DIN A4 cardboard paper
- Punch, ruler, scissors

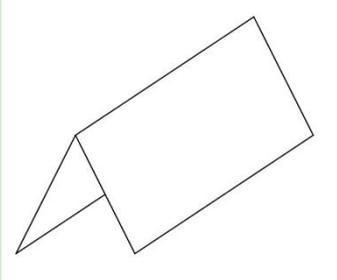


Step-by-step Construction

Estimated Time: 15 minutes

Side length of the cube: 4cm

Step 1	Instructions	Picture
Cutting the pieces	Cut along continuous lines to get 3 rectangles	
Step 2 Preparing the creases before folding	Using the ruler mark each line on the three rectangular papers with the punch	

		
<p>Step 3 Folding the three papers</p>	<p>Fold along creases, starting by the lateral strips doing mountain folds</p> <p>Mountain fold:</p>  <p>The paper moves away from you when folded</p>	

Assembly

Estimated Time: 10 minutes

Step 1 Preparation of two rings	Instructions Introduce 1 cm of A inside the lateral strips of A' and 1 cm of B inside the lateral strips of B'	Picture 
Step 2 Joining the two first pieces, A and B	Introduce ring A inside ring B such that you get a cube with shapes in all faces in the same way as the image	
Step 3 Adding the third paper	Place the cube such that we see letter B' on the top. Add the last paper covering with the square the top of the cube, introducing the paper in the lateral sides of the cube and covering the bottom with the trapezium.	 



Observations

The four cubes you obtain have to be exactly the same. In this sense, you have to be careful at Step 2 of the Assembly and introduce piece A into B in the same way all the time.