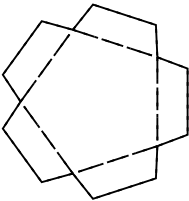


Upright Five-lobed Bellflower

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C | cut 1
24.44 x 25.70 mm



S2 | cut 1
6.00 x 20.58 mm



S3 | cut 1
6.00 x 20.58 mm



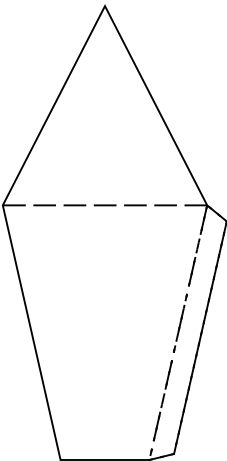
S4 | cut 1
6.00 x 20.58 mm



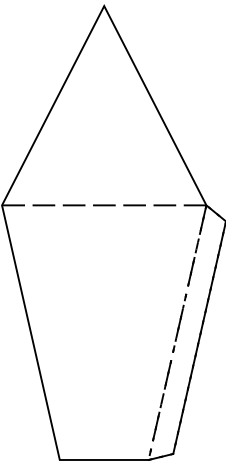
S5 | cut 1
6.00 x 20.58 mm



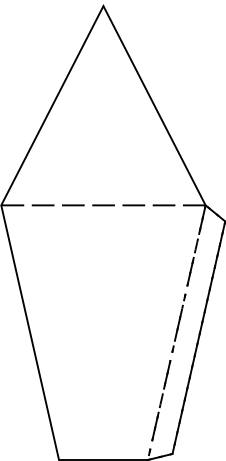
B1 | cut 1
29.63 x 60.05 mm



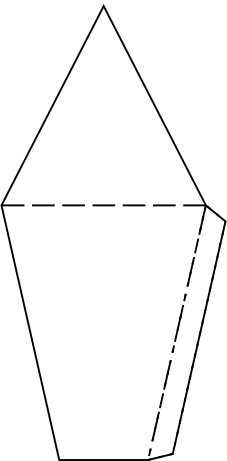
B3 | cut 1
29.63 x 60.05 mm



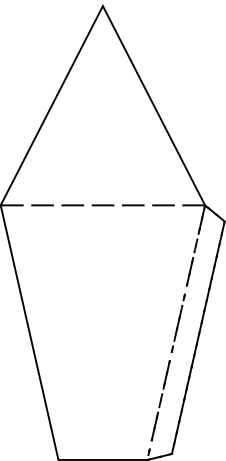
B4 | cut 1
29.63 x 60.05 mm



B5 | cut 1
29.63 x 60.05 mm



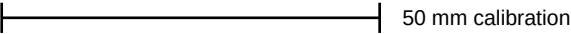
B2 | cut 1
29.63 x 60.05 mm



S1 | cut 1
6.00 x 20.58 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue



Print at 100% / Actual size. Do not fit to page. Original paper craft template.

Upright Five-lobed Bellflower

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Finished size: 77.8 x 81.8 x 42.0 mm

Materials: 150-180 gsm violet paper for B1-B5; 150-180 gsm green paper for C and S1-S5; Scissors or craft knife; Scoring tool and ruler; PVA glue and tweezers

Original rigid-facet construction, not a rolled funnel or hanging round lily-of-the-valley bell. The upper mouth stays open; the lower throat is closed by C.

Five wall trapezoids: lower edge 11.756 mm, upper edge 27.038 mm, face altitude 33.684 mm, side seams 34.540 mm. Each lobe has equal cut sides 29.627 mm.

Fold amounts measured from flat: wall seam 67.89 degrees, outward lobe 49.51 degrees, base tab 71.81 degrees, outward sepal 40.62 degrees.

Every face and seam tab is unfolded isometrically from its assembled plane; all mesh triangles retain exact flat edge lengths. No stretch, smooth curling, hidden wire or separate unlisted connector.

Flower-head ornament only, with a 20 mm vertex-diameter pentagonal resting base; no stem is included. Upper tips lie on an 86 mm diameter circle.

Glue contacts are coincident ideal surfaces. Paper thickness, springback and practical stability are not simulated. Physical printing, cutting and assembly remain pending.

Part inventory (cut each instance once):

B1: Bell wall and pointed lobe 1

B2: Bell wall and pointed lobe 2

B3: Bell wall and pointed lobe 3

B4: Bell wall and pointed lobe 4

B5: Bell wall and pointed lobe 5

C: Pentagonal basal closure

S1: Pointed calyx sepal 1

S2: Pointed calyx sepal 2

S3: Pointed calyx sepal 3

S4: Pointed calyx sepal 4

S5: Pointed calyx sepal 5

1. Cut and score eleven pieces [B1, B2, B3, B4, B5, C, S1, S2, S3, S4, S5]: Print at 100 percent and confirm the 50 mm ruler. Cut B1-B5, C and S1-S5 once each. Keep every integral tab. Score only marked fold lines; do not score triangulation diagonals.

2. Set the five lobe flares [B1, B2, B3, B4, B5]: With the colored bell exterior facing you, valley-fold each pointed lobe outward by 49.51 degrees from its wall. The hinge is 27.038 mm long; keep each triangular lobe planar, not curled. Mountain-fold each right-side seam tab inward by 67.89 degrees from flat.

3. Join the pentagonal throat [B1, B2, B3, B4, B5]: Join B1 to B2, B2 to B3, B3 to B4, B4 to B5, then B5 to B1. Each right seam tab goes behind the next wall left edge, with a 3 mm perpendicular overlap and 1.5 mm tip setbacks. Align both endpoints of the 34.540 mm edges; the five wall edges meet without gaps. Let each seam tack before closing the last. Leave the wide star-shaped upper mouth

Upright Five-lobed Bellflower

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open.

4. Close the lower throat [C, B1, B2, B3, B4, B5]: Raise all five C tabs 71.81 degrees from the flat pentagon toward the flower interior. Insert C from below with green side down. Match its 11.756 mm edges to the five lower wall edges, and glue its 4 mm tabs inside the walls. Press from the open mouth with tweezers. Keep C horizontal and let dry before adding the calyx.

5. Fold the calyx points [S1, S2, S3, S4, S5]: Valley-fold each S blade outward by 40.62 degrees from its rectangular foot. Each foot is 6 x 6 mm, and each hinge is 6 mm long. Leave the pointed blade flat. Apply a thin film of glue to the reverse of the marked foot only.

6. Attach the five-sepal calyx [S1, S2, S3, S4, S5, B1, B2, B3, B4, B5, C]: Center S1 on the outside of B1, S2 on B2, and so on. Place the bottom edge of each foot 5 mm up the wall face from its lower edge; the hinge is 11 mm up the same face. Glue all 6 x 6 mm of each foot to its wall. Points flare away from the throat and remain below the purple rim. Dry upright on the pentagonal base; this is a flower-head ornament, not a stemmed bouquet.