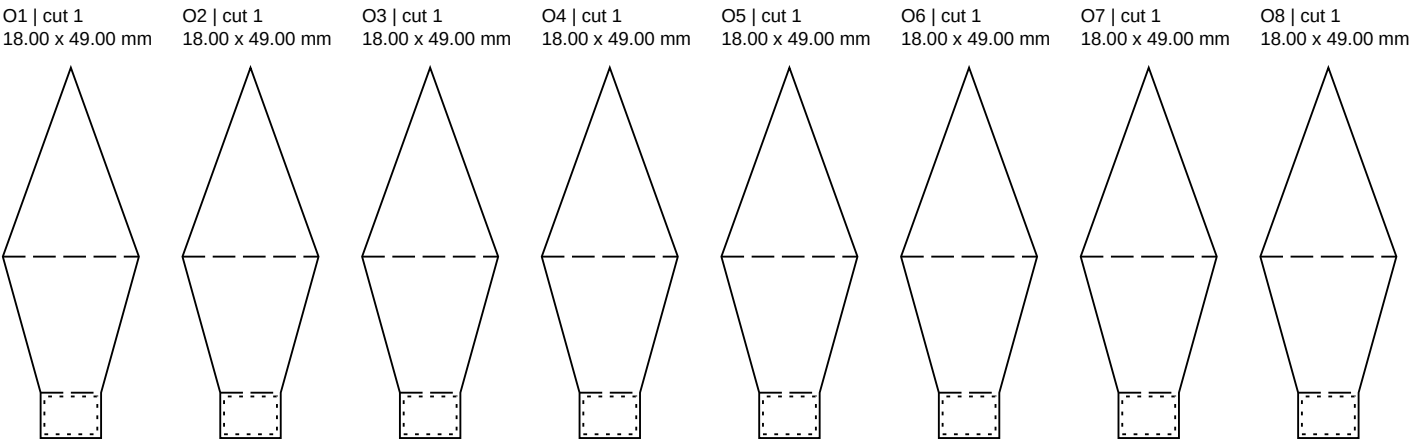
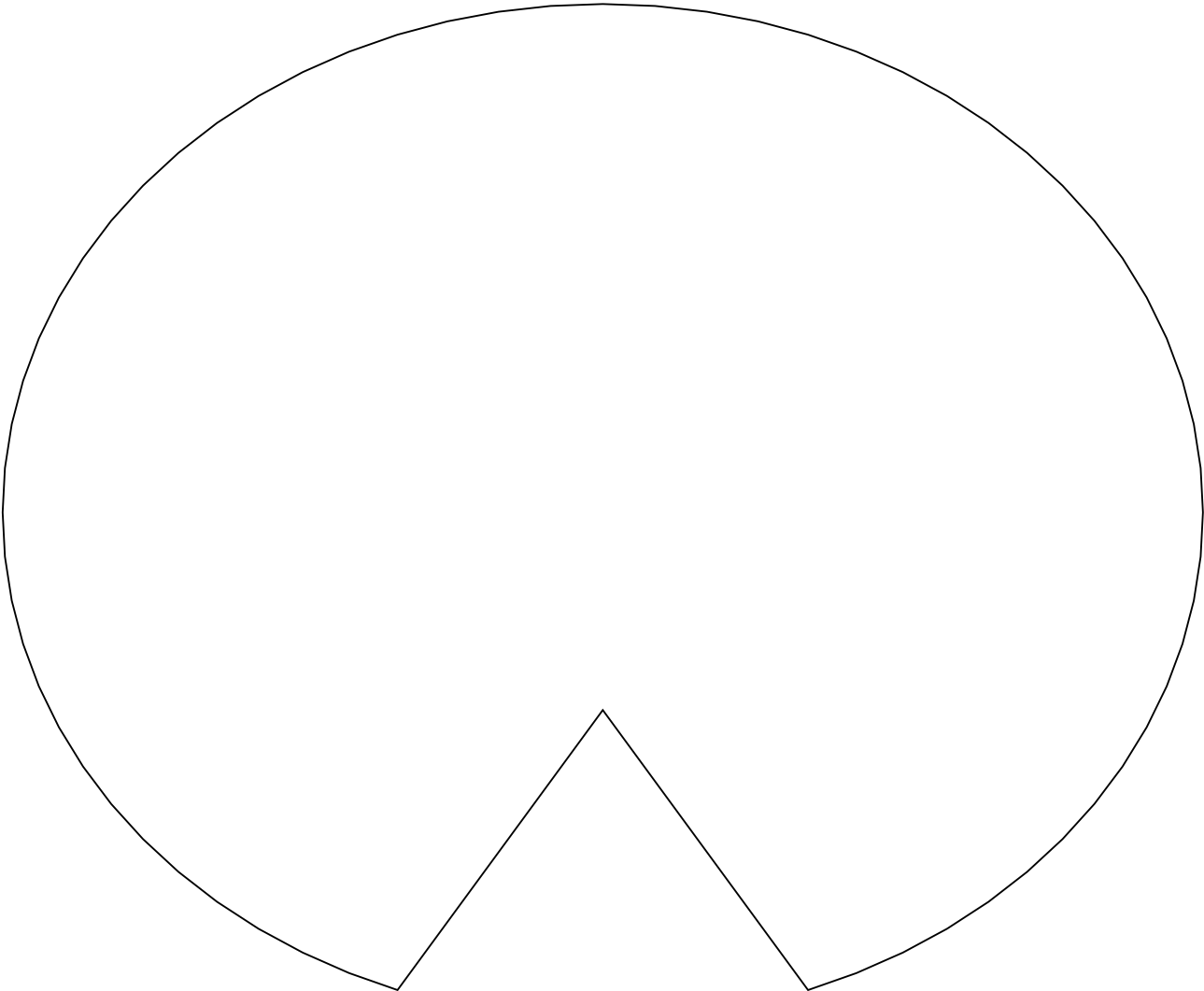


Shallow Water Lily on a Notched Pad

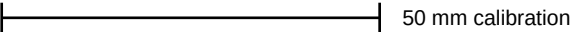
water-lily / 1.0.0 / Letter / Template page 1



P | cut 1
170.00 x 139.66 mm



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



Shallow Water Lily on a Notched Pad

water-lily / 1.0.0 / Letter / Template page 2

S5 | cut 1
2.50 x 18.00 mm

S6 | cut 1
2.50 x 18.00 mm

S7 | cut 1
2.50 x 18.00 mm

S8 | cut 1
2.50 x 18.00 mm

S9 | cut 1
2.50 x 18.00 mm

S10 | cut 1
2.50 x 18.00 mm

S11 | cut 1
2.50 x 18.00 mm

S12 | cut 1
2.50 x 18.00 mm

T9 | cut 1
2.50 x 21.00 mm

T10 | cut 1
2.50 x 21.00 mm

T11 | cut 1
2.50 x 21.00 mm

T12 | cut 1
2.50 x 21.00 mm

S1 | cut 1
2.50 x 18.00 mm

S2 | cut 1
2.50 x 18.00 mm

S3 | cut 1
2.50 x 18.00 mm

S4 | cut 1
2.50 x 18.00 mm

T1 | cut 1
2.50 x 21.00 mm

T2 | cut 1
2.50 x 21.00 mm

T3 | cut 1
2.50 x 21.00 mm

T4 | cut 1
2.50 x 21.00 mm

T5 | cut 1
2.50 x 21.00 mm

T6 | cut 1
2.50 x 21.00 mm

T7 | cut 1
2.50 x 21.00 mm

T8 | cut 1
2.50 x 21.00 mm

I5 | cut 1
14.00 x 38.00 mm

I6 | cut 1
14.00 x 38.00 mm

I7 | cut 1
14.00 x 38.00 mm

I8 | cut 1
14.00 x 38.00 mm

I9 | cut 1
14.00 x 38.00 mm

I10 | cut 1
14.00 x 38.00 mm

I11 | cut 1
14.00 x 38.00 mm

I12 | cut 1
14.00 x 38.00 mm

O9 | cut 1
18.00 x 49.00 mm

O10 | cut 1
18.00 x 49.00 mm

O11 | cut 1
18.00 x 49.00 mm

O12 | cut 1
18.00 x 49.00 mm

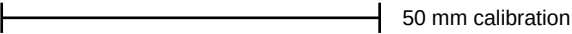
I1 | cut 1
14.00 x 38.00 mm

I2 | cut 1
14.00 x 38.00 mm

I3 | cut 1
14.00 x 38.00 mm

I4 | cut 1
14.00 x 38.00 mm

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



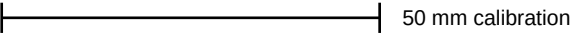
Shallow Water Lily on a Notched Pad

water-lily / 1.0.0 / Letter / Template page 3

C | cut 1
7.00 x 7.00 mm



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



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

Shallow Water Lily on a Notched Pad

water-lily / 1.0.0 / Letter / Assembly instructions

Finished size: Approximately 170 x 160 x 18 mm; pad ellipse before notch 170 x 144 mm

Materials: 200-240 gsm green cardstock for pad; 120-160 gsm pale paper for petals; 160 gsm gold paper for stamens and eye; Scissors or craft knife and cutting mat; Ruler, pencil, blunt scoring tool and protractor; PVA glue and fine tweezers

Original dry decorative display. Not waterproof, not intended to float or hold water.

Unlike a raised lotus with a seedpod, this construction has no stem, riser or pod. All 48 root tabs contact the same pad plane; the central eye is flat.

Petals use exact piecewise-rigid transverse folds. Stamens use exact right-angle folds. Do not stretch, cup, curl or add unmarked cuts.

Paper and glue thickness and springback are omitted. Coincident tab/pad contact is intentional; real materials add small height offsets.

Generation checks do not prove assembly stability. Extra screen review and physical printing, cutting and assembly are deferred.

Part inventory (cut each instance once):

P: Notched lily pad

O1: Outer petal

O2: Outer petal

O3: Outer petal

O4: Outer petal

O5: Outer petal

O6: Outer petal

O7: Outer petal

O8: Outer petal

O9: Outer petal

O10: Outer petal

O11: Outer petal

O12: Outer petal

I1: Inner petal

I2: Inner petal

I3: Inner petal

I4: Inner petal

I5: Inner petal

I6: Inner petal

I7: Inner petal

I8: Inner petal

Shallow Water Lily on a Notched Pad

water-lily / 1.0.0 / Letter / Assembly instructions continued

I9: Inner petal

I10: Inner petal

I11: Inner petal

I12: Inner petal

S1: Upright stamen

S2: Upright stamen

S3: Upright stamen

S4: Upright stamen

S5: Upright stamen

S6: Upright stamen

S7: Upright stamen

S8: Upright stamen

S9: Upright stamen

S10: Upright stamen

S11: Upright stamen

S12: Upright stamen

T1: Upright stamen

T2: Upright stamen

T3: Upright stamen

T4: Upright stamen

T5: Upright stamen

T6: Upright stamen

T7: Upright stamen

T8: Upright stamen

T9: Upright stamen

T10: Upright stamen

T11: Upright stamen

T12: Upright stamen

C: Flat golden eye

1. Prepare pad and layout [P]: Print at 100 percent and measure the 50 mm ruler. Cut P including the open V notch; leave the pad flat. With notch down, locate the pad ellipse center halfway between its left/right extremities and on their horizontal line. Mark flower center F

Shallow Water Lily on a Notched Pad

water-lily / 1.0.0 / Letter / Assembly instructions continued

15 mm above this point. From F pencil light radial guides every 30 degrees starting right, and a second set offset 15 degrees. Mark root distances 32, 23, 13 and 7 mm from F.

2. Fold the outer rays [O1, O2, O3, O4, O5, O6, O7, O8, O9, O10, O11, O12]: Cut O1-O12 and score both transverse lines. Keep the 8 x 6 mm root foot horizontal. Valley-fold the lower blade UP 10 degrees from the foot. At the crease 18 mm along the blade, fold the pointed panel UP another 12 degrees relative to the lower blade: the tip panel is 22 degrees above the pad. Keep both panels flat.

3. Glue the outer ring [O1, O2, O3, O4, O5, O6, O7, O8, O9, O10, O11, O12]: Apply a thin film of glue under each marked 7 x 5 mm patch. Place O1 pointing right; O2-O12 proceed counterclockwise every 30 degrees around F. Each root crease is 32 mm from F and its 6 mm foot points inward, occupying radii 26-32 mm on P. Glue opposite pairs, press only the feet with tweezers and let dry for at least 10 minutes or the adhesive label time.

4. Fold and mount inner rays [I1, I2, I3, I4, I5, I6, I7, I8, I9, I10, I11, I12]: Cut I1-I12. Keep each 8 x 6 mm foot flat; raise the lower panel 25 degrees and the pointed panel another 10 degrees at the crease 14 mm from the root. Glue the underside marked patch directly to P with each root 23 mm from F, foot spanning radii 17-23 mm. I1 points 15 degrees counterclockwise from right; continue every 30 degrees. These rays sit between the outer rays. Dry the feet before adding stamens.

5. Make the short stamen circle [S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12]: Cut S1-S12, preserving each 2.5 x 4 mm foot. Score the root and fold each 14 mm filament UP 90 degrees. Glue the full foot underside onto P, pointing inward. Root creases sit 13 mm from F on the original 30 degree guides: S1 is right, S2 is 30 degrees counterclockwise, and so on. Feet occupy radii 9-13 mm, clear of petal feet. Hold upright with tweezers while each joint grabs.

6. Make the taller inner stamens [T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12]: Cut T1-T12 with their 2.5 x 3 mm feet. Fold the 18 mm filaments UP 90 degrees. Glue foot undersides directly to P with root creases 7 mm from F and feet pointing inward to radius 4 mm. Start T1 on the 15 degree guide and proceed counterclockwise every 30 degrees. Keep neighboring feet separate and all filaments upright. Let the two circles dry at least 10 minutes.

7. Place the flat central eye [C]: Cut the 7 mm diameter C disk. Glue its underside marked 6 mm circle directly onto P centered at F, inside the inner stamen feet. Use tweezers to lower and press it flat without bending the surrounding filaments. This is a flat eye, not a raised seedpod.

8. Cure the dry display [P, C, O1, O2, O3, O4, O5, O6, O7, O8, O9, O10, O11, O12, I1, I2, I3, I4, I5, I6, I7, I8, I9, I10, I11, I12, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12]: Leave the pad flat on a dry table until fully cured according to the glue label. Expected maximum filament height is 18 mm; outer petal tips rise about 12.5 mm and inner tips about 16.2 mm. Lift only by the broad pad, not the rays or stamens. Keep away from water. Actual printing and assembly validation remain pending.