

Broad Faceted Woodland Owl

owl / 1.0.0 / Letter / Template page 1

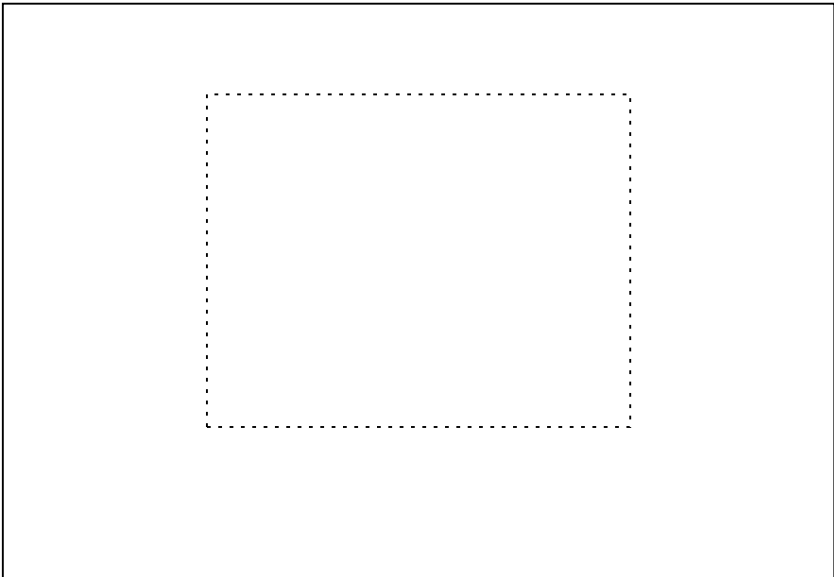
PUPIL_L | cut 1
9.00 x 9.00 mm



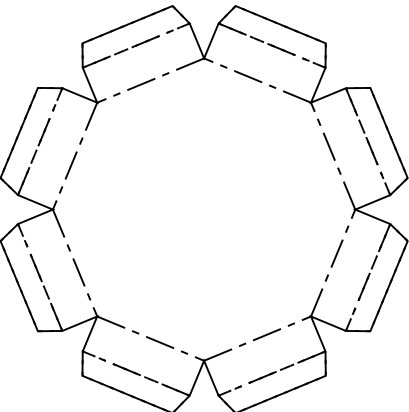
PUPIL_R | cut 1
9.00 x 9.00 mm



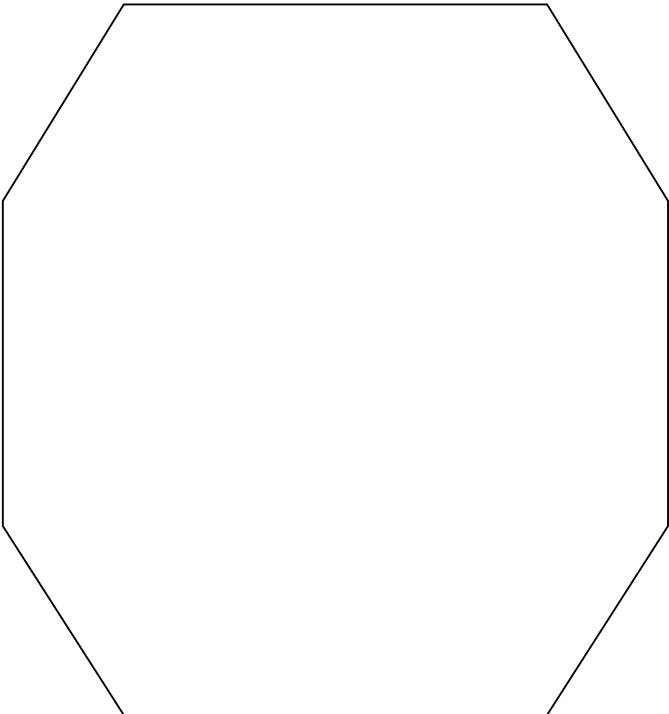
BASE | cut 1
110.00 x 76.00 mm



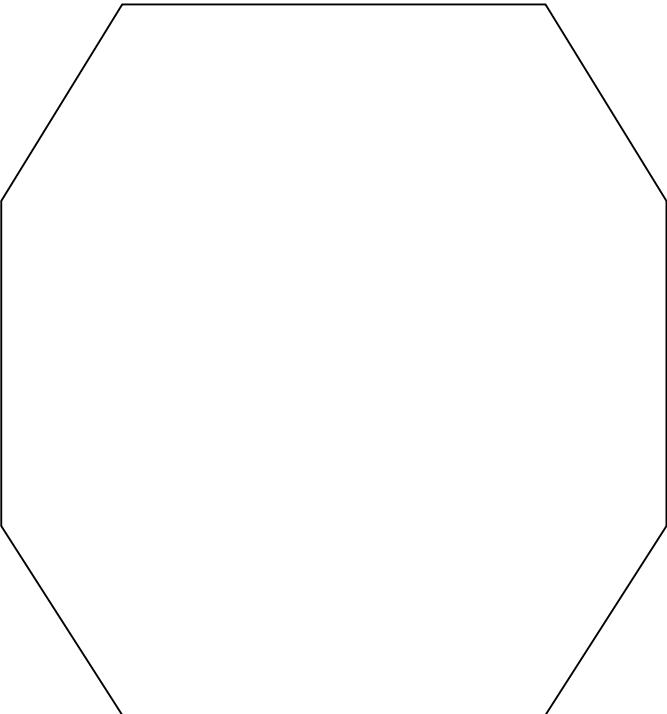
DISK_L | cut 1
53.86 x 53.86 mm



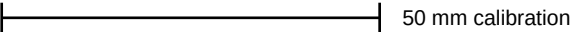
FRONT | cut 1
88.00 x 94.00 mm



BACK | cut 1
88.00 x 94.00 mm



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

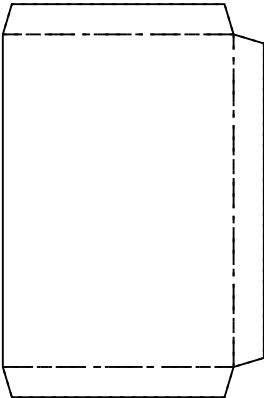


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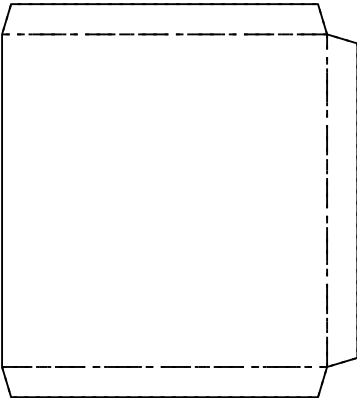
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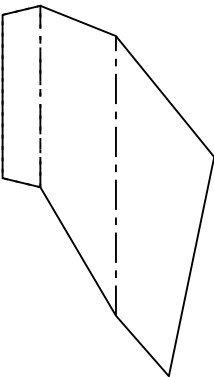
G6 | cut 1
34.53 x 52.00 mm



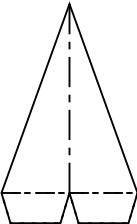
G7 | cut 1
47.00 x 52.00 mm



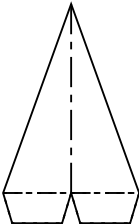
WING_R | cut 1
28.00 x 49.00 mm



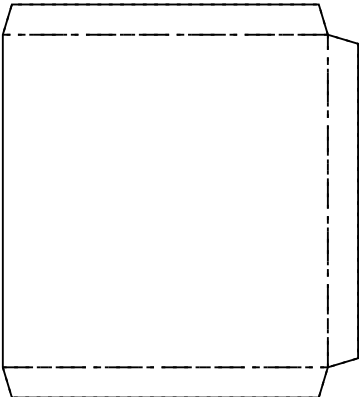
TUFT_L | cut 1
18.00 x 29.00 mm



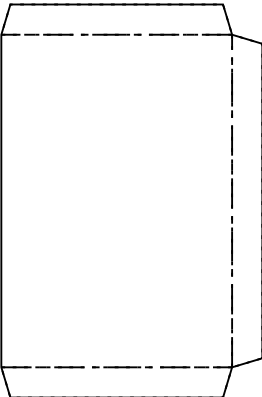
TUFT_R | cut 1
18.00 x 29.00 mm



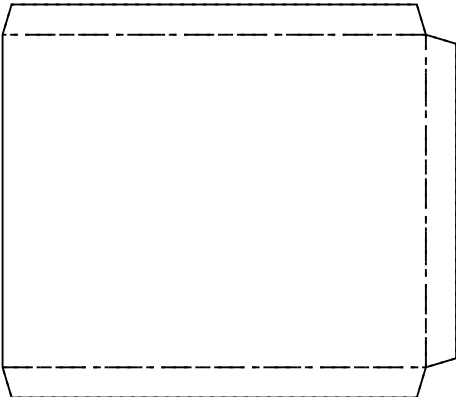
G3 | cut 1
47.00 x 52.00 mm



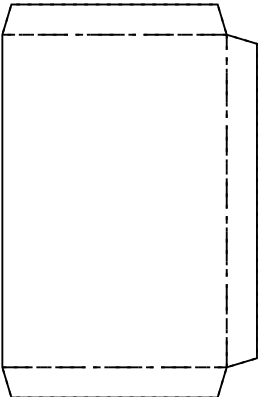
G4 | cut 1
34.53 x 52.00 mm



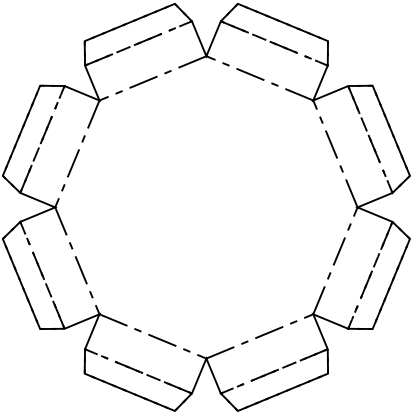
G5 | cut 1
60.00 x 52.00 mm



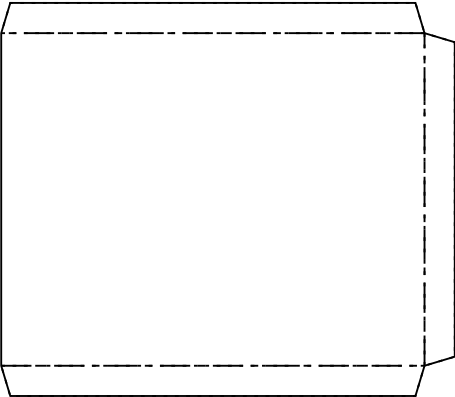
G8 | cut 1
33.68 x 52.00 mm



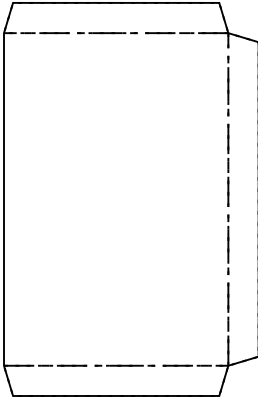
DISK_R | cut 1
53.86 x 53.86 mm



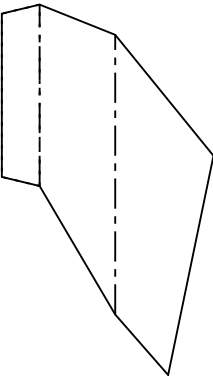
G1 | cut 1
60.00 x 52.00 mm



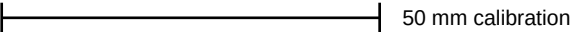
G2 | cut 1
33.68 x 52.00 mm



WING_L | cut 1
28.00 x 49.00 mm



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

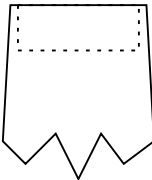


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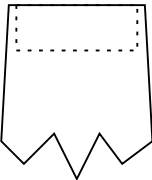
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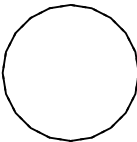
FOOT_L | cut 1
20.00 x 23.00 mm



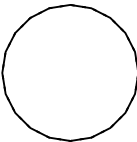
FOOT_R | cut 1
20.00 x 23.00 mm



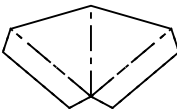
IRIS_L | cut 1
18.00 x 18.00 mm



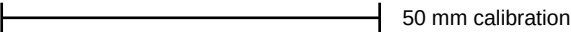
IRIS_R | cut 1
18.00 x 18.00 mm



BEAK | cut 1
23.29 x 13.52 mm



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



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

Broad Faceted Woodland Owl

owl / 1.0.0 / Letter / Assembly instructions

Finished size: 110 x 76 x 117 mm approximately

Materials: 180-220 gsm card; 140-160 gsm colored paper; PVA glue; Scissors or craft knife; Ruler and blunt scoring tool

Original panel-and-gusset construction, distinct from a tapered radial-gore bird.

Every folded face and glue tab has an exact rigid flat correspondence. Facial disks are real open-back folded paper reliefs, not printed textures.

Paper/glue thickness and springback are idealized. Small eye and foot display offsets prevent coincident surfaces. The 1 mm shell/base display gap represents the glued card stack, not a separate support.

Physical printing, cutting, assembly and stability verification are deferred.

Part inventory (cut each instance once):

FRONT: Octagonal front

BACK: Octagonal back

G1: Edge gusset 1

G2: Edge gusset 2

G3: Edge gusset 3

G4: Edge gusset 4

G5: Edge gusset 5

G6: Edge gusset 6

G7: Edge gusset 7

G8: Edge gusset 8

DISK_L: Raised facial disk L

IRIS_L: Iris L

PUPIL_L: Pupil L

DISK_R: Raised facial disk R

IRIS_R: Iris R

PUPIL_R: Pupil R

WING_L: Ridged wing L

WING_R: Ridged wing R

TUFT_L: Ear tuft L

TUFT_R: Ear tuft R

BEAK: Folded pointed beak

BASE: Wide display base

Broad Faceted Woodland Owl

owl / 1.0.0 / Letter / Assembly instructions continued

FOOT_L: Three-toed foot L

FOOT_R: Three-toed foot R

1. Cut and score [FRONT, BACK, G1, G2, G3, G4, G5, G6, G7, G8, DISK_L, IRIS_L, PUPIL_L, DISK_R, IRIS_R, PUPIL_R, WING_L, WING_R, TUFT_L, TUFT_R, BEAK, BASE, FOOT_L, FOOT_R]: Print at actual size and confirm the 50 mm ruler. Cut each of the 24 pieces once. Use 180-220 gsm card for shell, wings, tufts and base; 140-160 gsm for face disks, eyes, beak and feet. Score marked creases before folding. Front means the face side; rearward depth is 44 mm.

2. Build the broad faceted shell [FRONT, G1, G2, G3, G4, G5, G6, G7, G8]: Keep FRONT flat. G1 follows its 56 mm bottom edge; G2 the lower right bevel, G3 the 43 mm right vertical, G4 the upper right bevel, G5 the 56 mm crown, then G6-G8 down the left. Fold each 4 mm long-edge tab inward 90 degrees and glue beneath FRONT. The gussets project 44 mm rearward. Join each short-edge tab beneath the next gusset without overlapping the main rectangles. Leave BACK open for finger access. Match the polygon corners rather than rounding the edges.

3. Fold the two facial disks [DISK_L, DISK_R, IRIS_L, IRIS_R, PUPIL_L, PUPIL_R]: Mountain-fold all eight edges of each 40 mm corner-diameter DISK to turn its 5 mm walls rearward by 90 degrees. Fold the outer 3 mm tabs another 90 degrees inward so they lie parallel to the face. The wall corners meet without overlap and require no corner glue. Glue IRIS then PUPIL concentrically on each cream disk: diameters 18 and 9 mm. Allow five minutes to set.

4. Mount the raised face [DISK_L, DISK_R, FRONT]: Glue only the eight rear tabs of each disk to FRONT. Centers are 42 mm apart, each 21 mm from the centerline and 71 mm above the bottom edge. Keep an octagon corner pointing upward. The disk faces stand 5 mm forward of the shell; their inner corners leave a 2 mm central gap. Press the tabs from inside the open shell and let dry.

5. Fit pointed beak and ear tufts [BEAK, TUFT_L, TUFT_R]: Fold BEAK along its center crease into a projecting ridge, 8 mm forward at the upper ridge endpoint. Its lower point touches FRONT 48 mm above the bottom, with the two outer upper corners 7 mm either side of center and 60 mm above the bottom. Fold the 3 mm glue flaps flush to FRONT. Glue them outside the triangular footprint. Fold each TUFT center crease gently to bring its tip 5 mm forward of its base; the base spans 18 mm. Glue the 4 mm tabs to FRONT with bases 91 mm above the bottom and centers 22 mm either side of center. Tips rise about 21.5 mm above the crown. Dry with support from inside.

6. Attach ridged folded wings [WING_L, WING_R]: On each vertical side gusset G3/G7, locate the 24 mm wing root from 39 to 63 mm above the shell bottom and 14 mm behind the front edge. Glue the 5 mm attachment tab toward the front. Fold the inner wing panel 32 degrees outward from the side wall; fold the long ridge back 32 degrees so the outer feather panel runs parallel to that wall. Both pointed wing tips face downward and rearward. Glue only the attachment tab and hold until set.

7. Close the back [BACK]: Fold the eight remaining 4 mm long-edge tabs flush to the rear plane. Glue BACK onto them with its 56 mm bottom and crown edges aligned to FRONT. Press opposing edges gently, keeping the shell depth at 44 mm; allow ten minutes to set.

8. Fit feet and level base [BASE, FOOT_L, FOOT_R, G1]: Lay the 110 x 76 mm BASE flat with its longer front margin toward the face. Glue both feet flat, centers 30 mm apart. Their straight heel edges are 15 mm forward of the base centerline; longest toes reach 38 mm forward. Glue the entire underside of G1 onto the central 56 x 44 mm marked base area, covering the heels. Center the shell left/right and front/back on that rectangle. Keep the base flat under light pressure for 30 minutes. The broad base is the structural support; toes are decorative. Physical assembly and balance remain deferred.