

Munari Mobile

Construction Instructions

Note: Since writing these instructions we have found an alternative way to cut the circles. Available at the craft store, in the scrap-booking area, are circle cutters! They are much easier to use than the compass.

The black and white contact paper can be found at Breed's as can the wooden dowels.

Using a clear 2.5 inch diameter holiday ornament (purchased at Michael's Craft Store)

A = 2.5 inches (the diameter of the sphere)

B = 3 inches (rounded measurement) actual would be about 1/16th inch less than 3". (A+1/3 r)

2B = 6 inches (rounded measurement)

Note: These measurements will change when using a different size sphere.

The Circles: (big =A+ 1/3 r and small ones = A)

Adhere black and white contact paper in a workable size of approx 4" square.

Set compass to 1.5 inches (to make a 3" circle)

Cut the circle. You'll end up with one 3" circle black on one side and white on the other.

Using a single sheet of white and a single sheet of black, set the compass for 1.25" to make a 2.5" circle on each.

****TIP – cut on the back side of the contact paper for easier cutting. ****

Remove the backing and adhere center to center on the 3" circles – black on white and white on black.

The Small (square) Piece: (B x B with A center line)

Adhere black/white contact paper in a workable size of approx 4" square. Make sure to have straight edges and cut it to 3" square using a box or exacto knife.

Mark the mid points (1.5") @ 2 opposite edges

Line up the dots with a ruler and mark 1/4" down towards the center.

Draw a line from the corners to the $\frac{1}{4}$ " mark and cut the resulting triangle away leaving a center line of length A (2.5")

Making the 2 overlays: (B x $\frac{1}{2}$ B)

On one sheet at a time cut a 3"x1.5" rectangle (with straight edges)

Lay on opposite color side of the first piece, according to pattern instructions, lining up the edges, and trim off the overhang so it fits.

The Large (rectangular) Piece: (2B x B)

Adhere black/white contact paper and make a rectangle with straight edges measuring 6x3.

Mark the centers on the short ends (1.5")

Draw lines, using a straight edge, from each corner to the midpoint on the opposite side.

Cut away the resulting triangular area on the long sides.

To Make the Diamonds:

On one sheet at a time cut a 1.5"x6" rectangle (with straight edges)

Mark midpoint on short *and* long sides.

Connect the points to form a diamond. (long side to short to long etc)

Cut away the rest

Apply to the first piece according to the pattern.

The Dowels: (6A White – 5A black – 3A white paint with black contact paper strip)

From a long wooden dowel cut the 3 sizes. (When A=2.5 the dowels are 15" 12.5" and 7.5")

Paint the longest and shortest dowels white.

Paint the other one black.

Let dry

(Before painting we poke a pin in one end and hang the dowels to dry from that pin)

When dry, wrap the shortest with a strip of $\frac{1}{4}$ " according to the pattern.

Hanging the objects:

Starting from the bottom to the top, hang objects according to the pattern. (bottom line of the sphere on level with the top of the circle etc.

Put a drop of glue where the string ties onto the dowel to keep it from moving.