

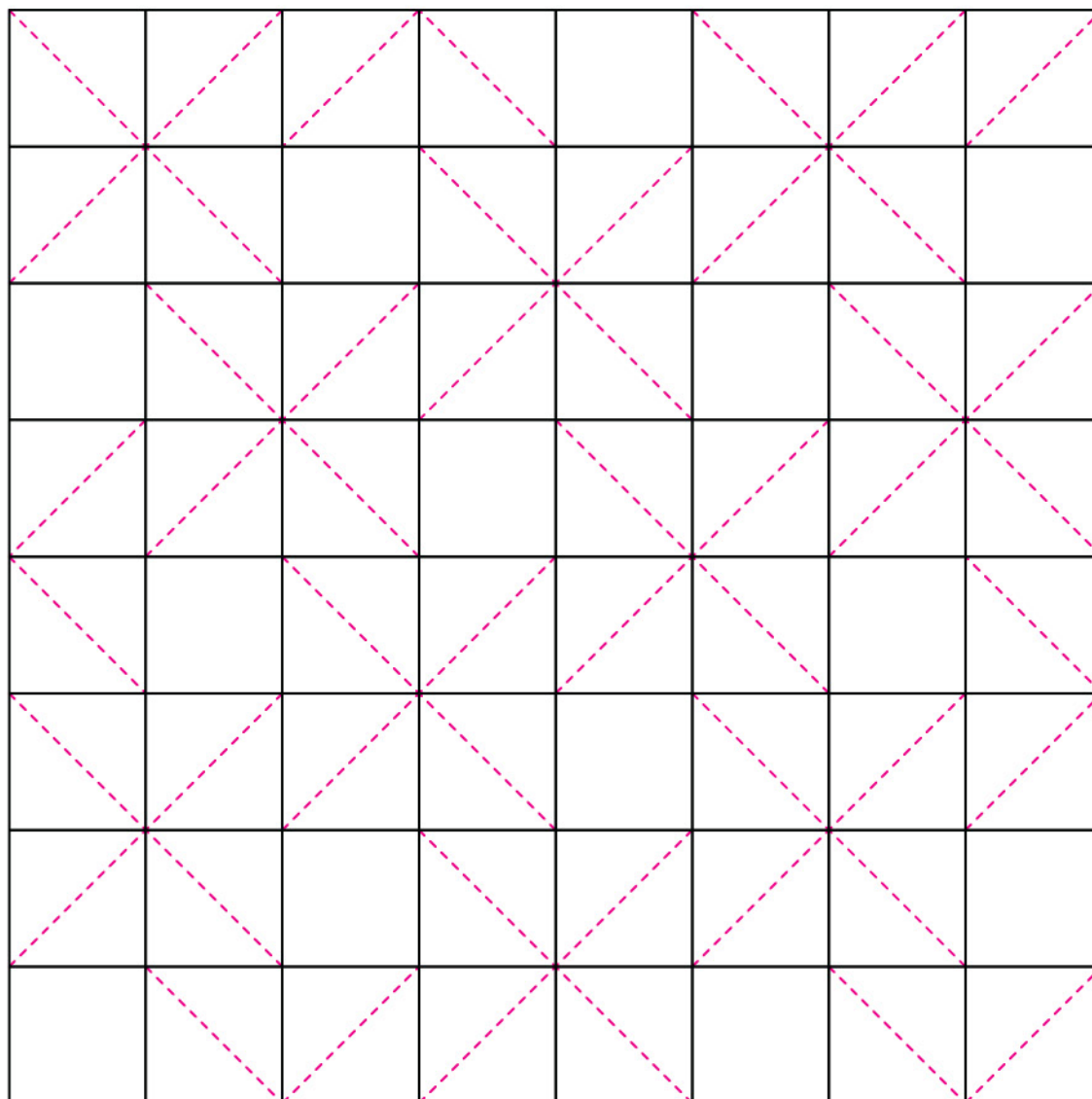
WATER BOMB

The Water Bomb tessellation is made from one of the most popular bases in origami. By tiling a simple base with squares, you achieve a three-dimensional surface that's both pliant and curving. The larger you scale the pattern, the more the surface of the paper curves.



techniques

Square Grid, page 6



Instructions

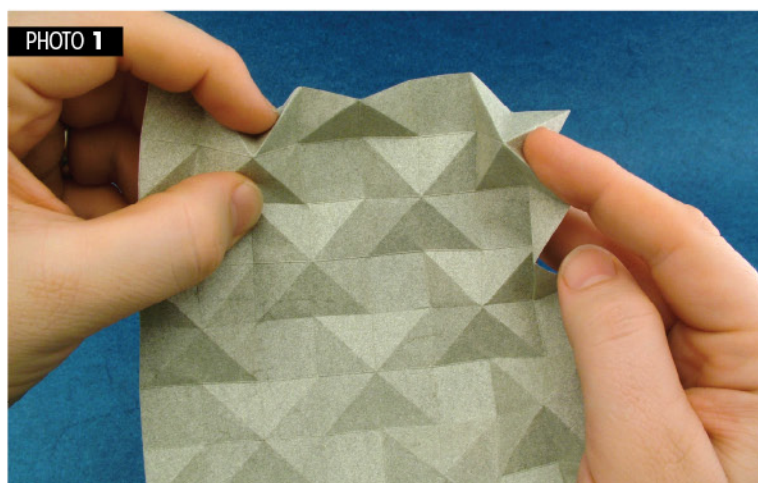


PHOTO 1

- 1** For best results, use a relatively stiff paper. On an eight-by-eight square grid, precrease all the valley folds as shown on the crease pattern. The easiest way to do this is to flip the paper over and then create mountain folds.
- 2** Remaining on the paper's "back side," start at one of the corners and collapse the folds together along the new creases (see photo 1).
- 3** Loosely pinch in all the folds, so they take on a slight three-dimensional shape.
- 4** Go back to the corners and start collapsing the Water Bomb bases together more tightly.

PHOTO 2

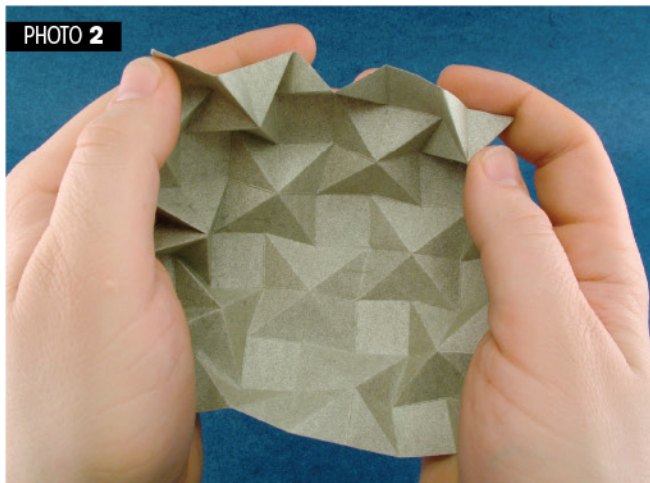
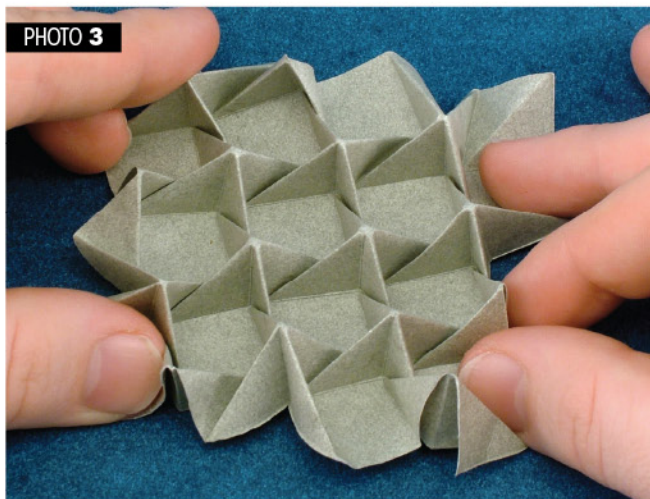


PHOTO 3



This action requires you to hold the folded portions together while folding the rest (see photo 2). After a certain point, the remaining folds will pop into place almost on their own.

5 Lay the tessellation down on a flat surface. The tension of the paper forces the pattern apart, which causes it to curve, particularly toward the corners. Hold the paper down at the corners and push the pattern together. Pinch the vertical folds tightly, one by one, to reinforce the precreased folds and to give the paper some “memory” (see photo 3).

6 You can use paper clips or other suitable clamps to keep the folded pattern together. A Water Bomb tessellation clipped to hold its shape overnight will remember that shape for a very long time!

See an extended version of the Water Bomb tessellation on page 118 in the Gallery section.

FRONT



BACK

