

# Heart Motif of Fröbel Square

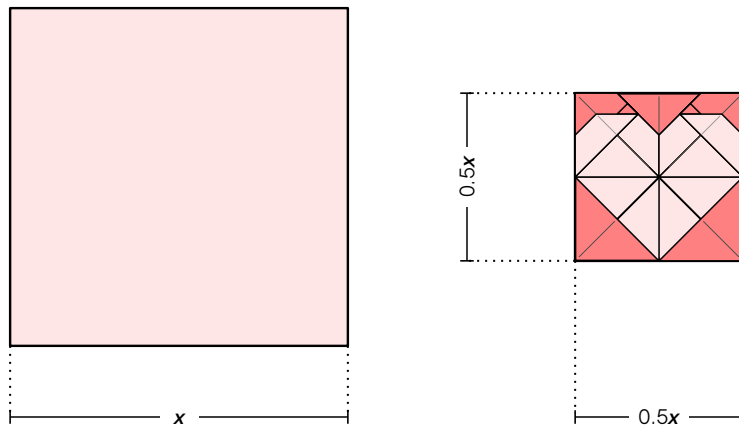


## ABOUT

This manual contains instructions for a Heart Motif of the Fröbel Square, a design discovered in February 2021. This design is one of the many variations of the Fröbel Square: a model derived from the windmill base that can represent almost any figure through the manipulation of the initial flaps.

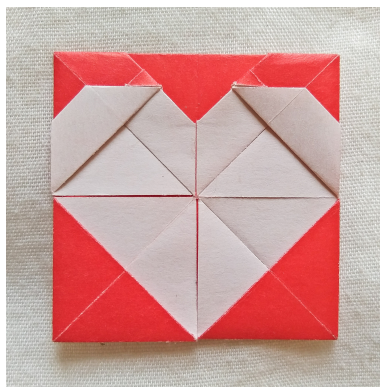
A square with a side length of 20.0 cm (8.0 in.) is recommended for the initial folding of the model. Using paper of this size would result in a final model with both a height and a width of 10.0 cm (4.0 in.). One may use kami paper for the initial fold and any two-color paper for the final model.

## SCALE

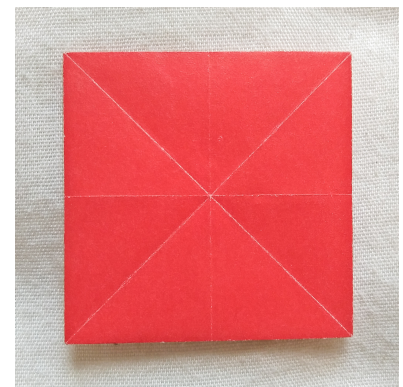


A square with a side length of  $x$  would have its height and width scaled down by a factor of  $0.50x$ .

## ANGLES

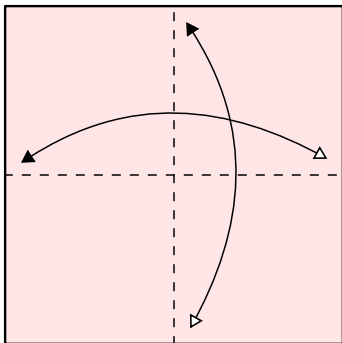


Front view

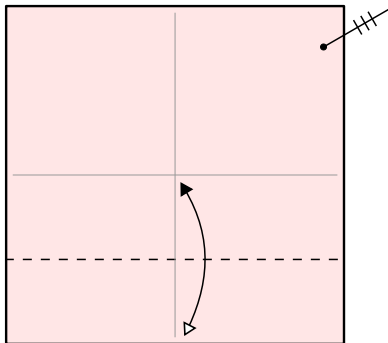


Reverse view

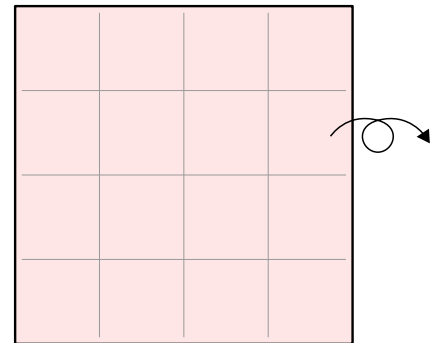
**FOLDING INSTRUCTIONS**



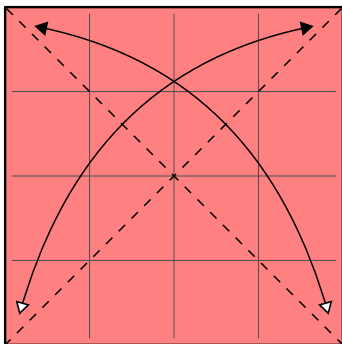
**01.** Begin with the white side of the paper up. Fold the paper in half vertically and horizontally and unfold.



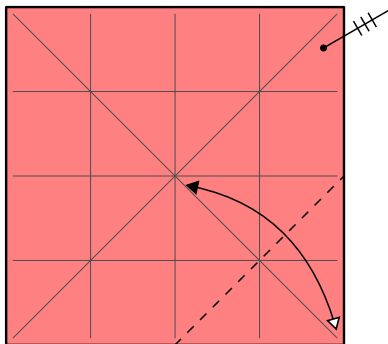
**02.** Fold the edge of the paper to the crease made in Step 01 and unfold. Repeat this step to the other three edges.



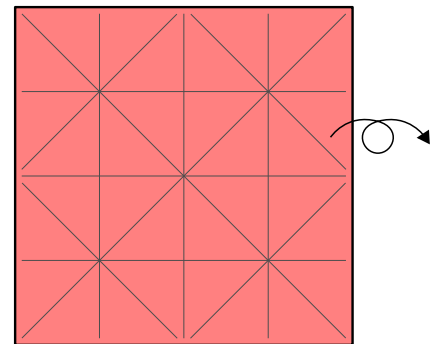
**03.** The result of step 02. Turn the model over.



**04.** Fold along the diagonals of the square and unfold.

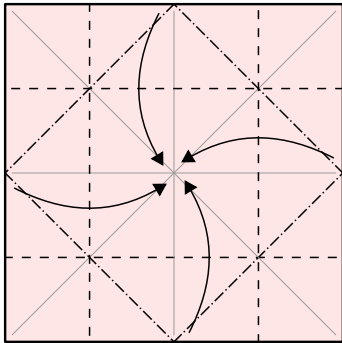


**05.** Bring the corner of the square to the center and unfold. Repeat this step to the other three corners.

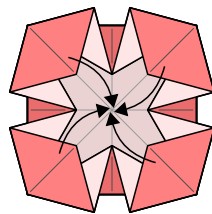


**06.** The result of step 05. Turn the model over.

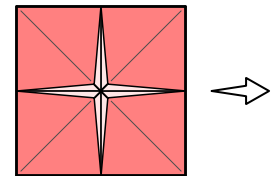
# Heart Motif of Fröbel Square



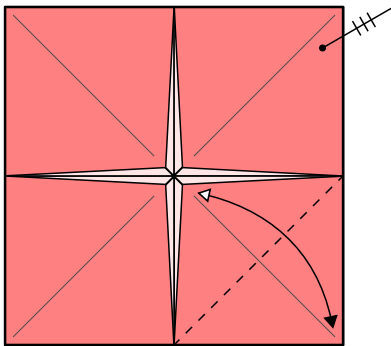
**07.** Collapse the model by bringing the edges of the paper to the center using existing creases from steps 02 and 05. See the next step for details.



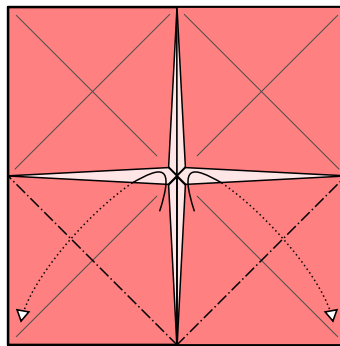
**08.** Collapse in progress. Bring the flaps the center of the model.



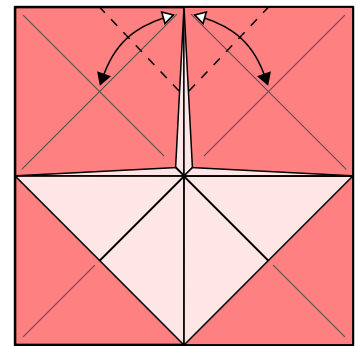
**09.** The result of steps 01-08. The resulting model is known as a *windmill base*, which can be used to make Fröbel Squares.



**10.** Diagram enlarged. Fold the flap in the center of the model to the outer corner and unfold. Repeat this step to the other three flaps.

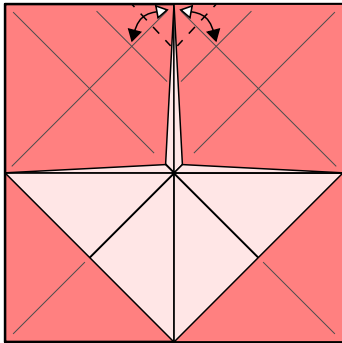


**11.** Tuck the two lower flaps behind using the creases made in the previous step. This will make the bottom of the heart.

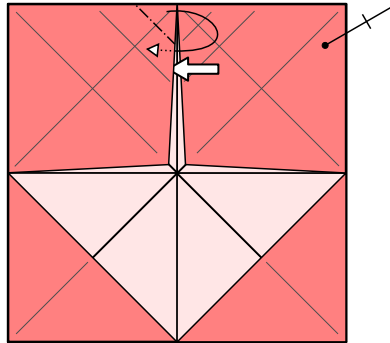


**12.** Fold the flaps at the top edge of the model to their respective crease intersections, made in Steps 04 and 10, and unfold.

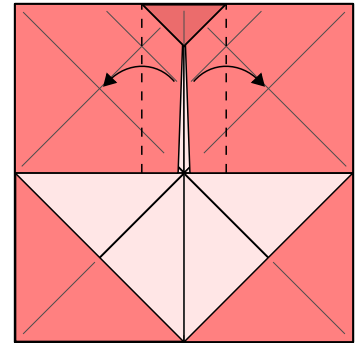
# Heart Motif of Fröbel Square



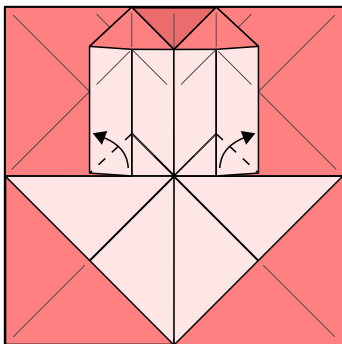
**13.** Fold the flaps at the top edge of the model to their respective crease intersections, made in Steps 10 and 12, and unfold.



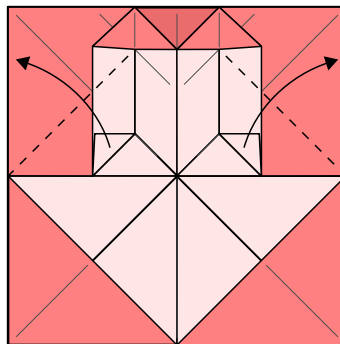
**14.** Reverse-fold the flap using the creases made in the previous step. Repeat this step with the other flap.



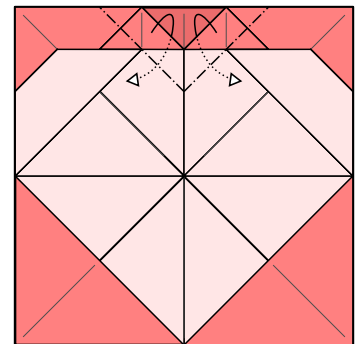
**15.** Fold the two inner edges to their respective crease intersections, made in Steps 04 and 10.



**16.** Fold the corners to the white edge as shown using existing creases from Step 04.

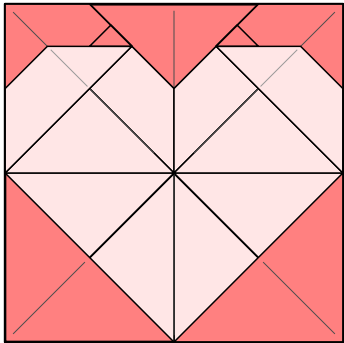


**17.** Fold the flaps to the edge of the model as shown using existing creases from Step 10.

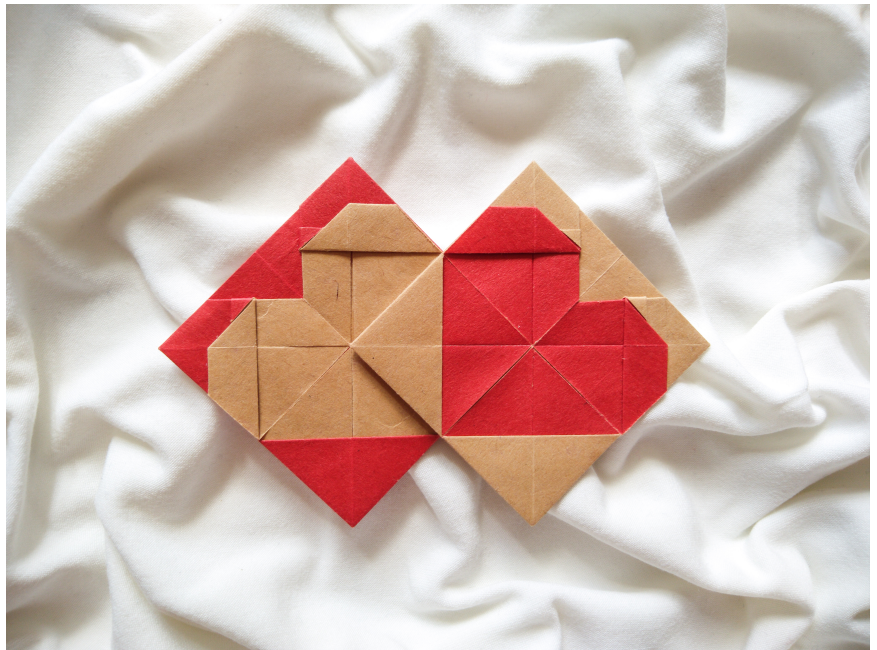


**18.** Tuck the two upper flaps behind using the creases made in Step 12. This will make the top of the heart.

## Heart Motif of Fröbel Square



19. Completed Heart Motif of Fröbel Square.



**COMPLEMENTARY**—Make two of this model, each of which from the same type of paper, but with each starting from a different side of the paper. Notice how stacking the models on top of each other creates an interesting pattern as shown.