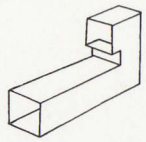
5. The Klein Cube

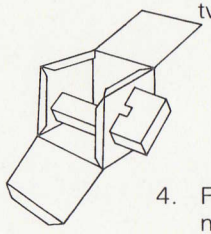
A surface with only one side and no boundaries

HOW TO MAKE THIS MODEL.

1. Cut out the three pieces on this page and on page 15, keeping well away from the outline.
2. Score along all the fold lines, then cut out precisely. At dotted lines fold away from you. At solid lines fold towards you. Crease each fold firmly.

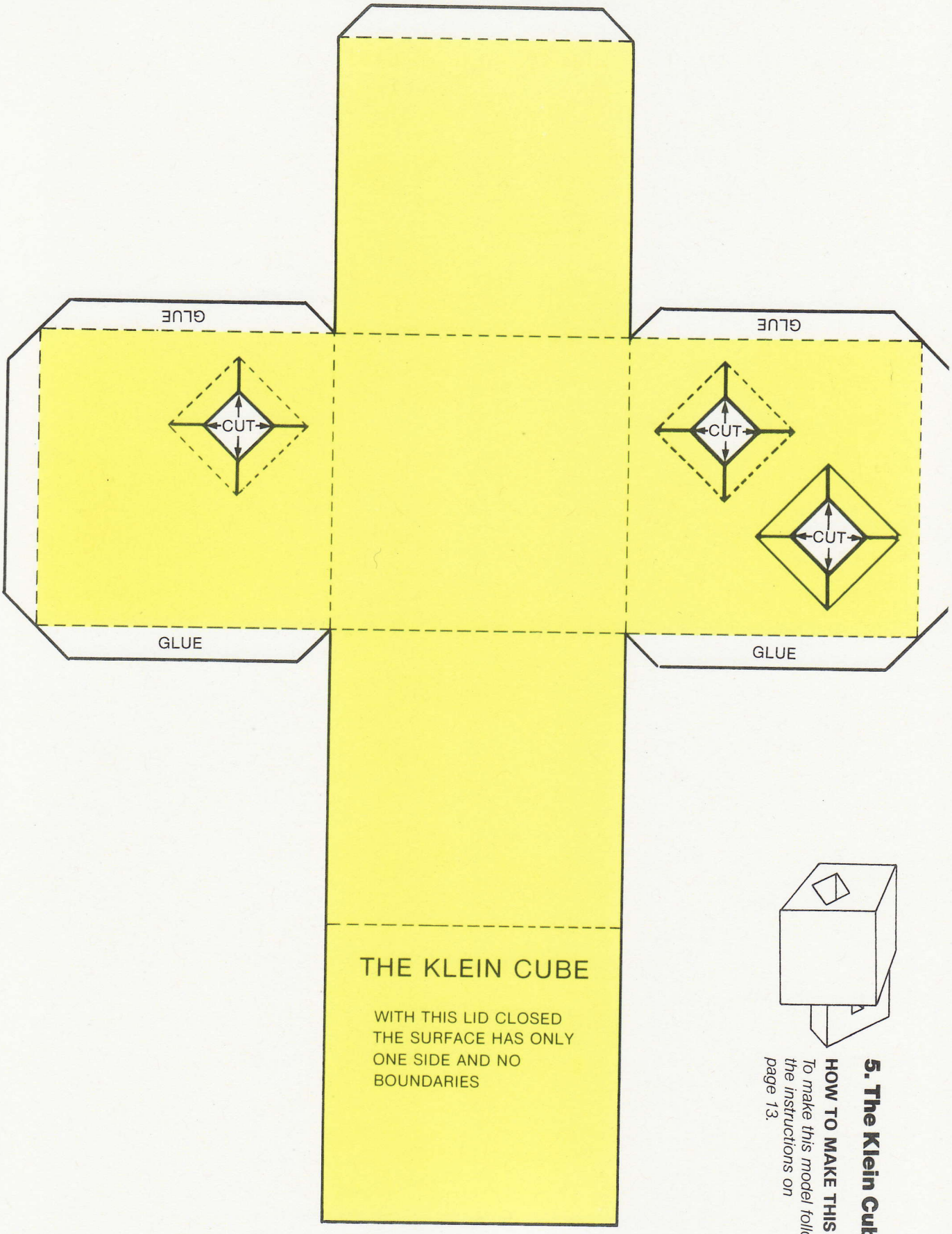


3. Glue together the central tube using the two smaller pieces.



4. Fold the cube into shape but it is best not to glue the side flaps until the central tube is in position and glued into place.
5. Glue the side flaps of the cube. Do not glue the lid down. It is more interesting to be able to look inside.

For more information about the Klein cube, see pages 4 and 5 of the minibook.



5. The Klein Cube

HOW TO MAKE THIS MODEL.
To make this model follow the instructions on page 13.