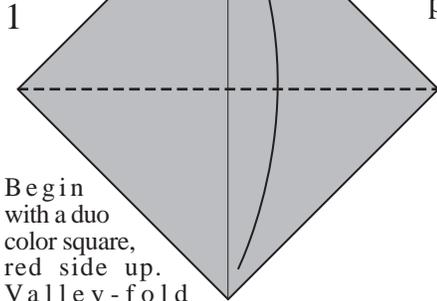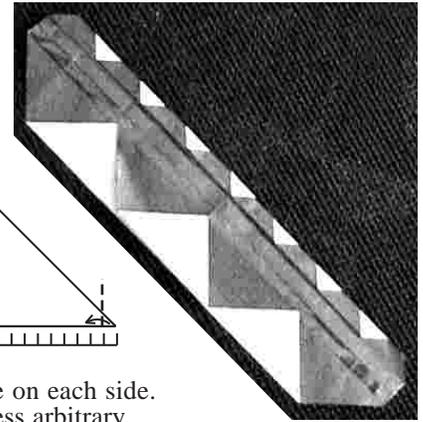# Hearts Unlimited By Sy Chen

This Model doesn't literally fly, but since, theoretically, any number of hearts can be made, it really can fly toward infinity. It will also fly for you anti-MATHers as well... Just stick it in an envelope and watch it fly through the snail mail, a Valentine's Day cloning phenomenon.
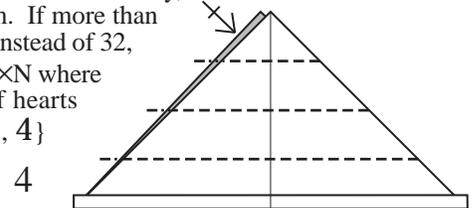
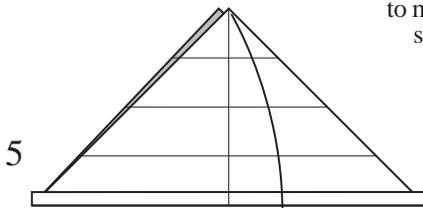**1** Begin with a duo color square, red side up. Valley-fold diagonally in half.

2 Valley-fold inward 1/32 of the base on each side. As these tiny folds are more or less arbitrary, you may approximate them. If more than four hearts are desired, instead of 32, divide the base into 8×N where N = the number of hearts desired, {1, 2,..., **4**}
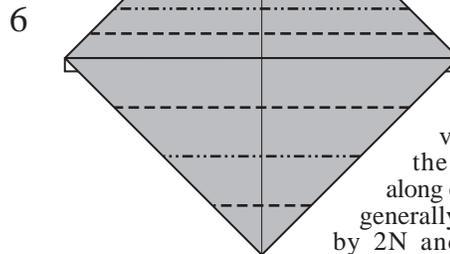
3 Valley-fold along the base. This folded strip will eventually get unfolded to make the hearts taller. For shorter hearts make the strip more narrow.
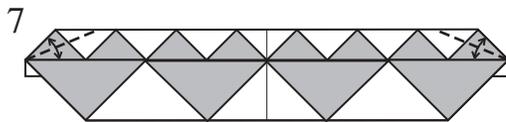
4 On the front flap, divide the height into four with valley folds. Repeat behind. More generally, divide the height by N where N = the number of hearts desired.
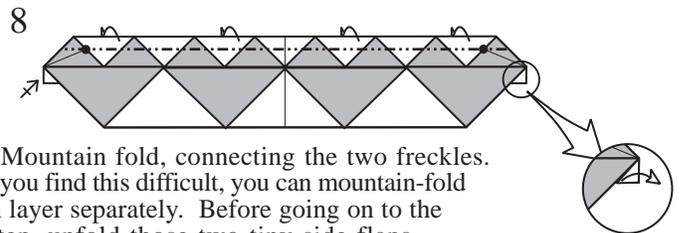
5 Unfold down the front flap, being careful to leave the folded strip folded.

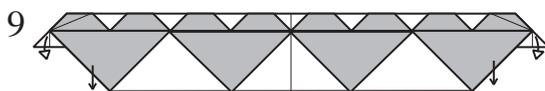**6** Pleat the top half into eighths (the valleys are new). Pleat the bottom into forths along existing creases. More generally, the top gets divided by 2N and the bottom by N.
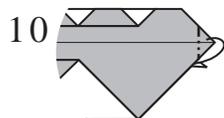
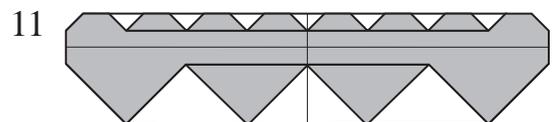**7** Valley-fold and unfold. These creases form the guidemarks for the next step.

8 Mountain fold, connecting the two freckles. If you find this difficult, you can mountain-fold each layer separately. Before going on to the next step, unfold those two tiny side flaps.

9 Pull the bottom down, making the hearts taller.

10 Mountain fold the tippy sides behind along existing creases.

11 Four hearts have been manifested. The next step is **4**. Good luck...

Diagrammed by Jeremy Shafer, 1998.