

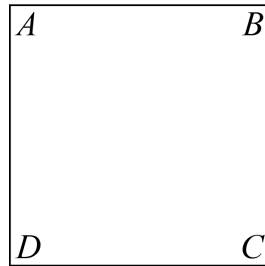


Problem of the Week

Problem A

Paper Folding

Start with a square piece of paper, and label the corners A , B , C , and D , starting with the top-left corner and moving clockwise.



- Fold the paper so that corner A touches corner C . What shape did you make?
- Open the paper up so that you are back to the square, but with a diagonal crease. Fold the paper so that the edge between corners A and B lines up with the diagonal crease. Then fold the paper so that the edge between corners C and D lines up with the diagonal crease. What shape did you make?
- Open the paper up so that you are back to the square. Fold the paper so that corner D touches corner A and corner C touches corner B . What shape did you make?
- Continuing from the shape you made in part (c), fold the paper so that corners B and C touch the fold line. What shape did you make?
- Fill in the Venn diagram below with the letters a , b , c , and d , representing the shape you made in each part.

