

### Materials

- 3 sheets of decorative paper
- ruler
- compass
- scissors
- glue
- markers

It's in the Bag!

## PROJECT Polynomial Petals

Pick a petal and find a fact about polynomials!

### Directions

- 1 Draw a 5-inch square on a sheet of decorative paper. Use a compass to make a semicircle on each side of the square. Cut out the shape.

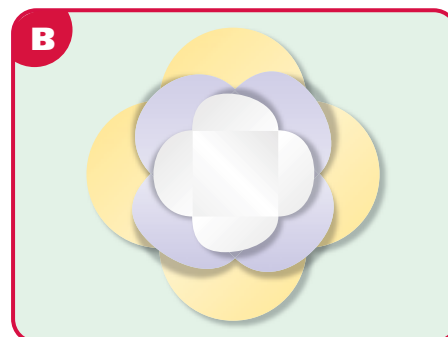
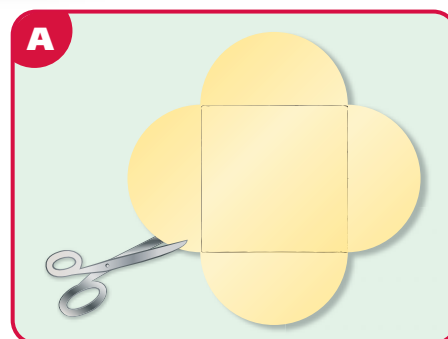
Figure A

- 2 Draw a  $3\frac{1}{2}$ -inch square on another sheet of decorative paper. Use a compass to make a semicircle on each side of the square. Cut out the shape.

- 3 Draw a  $2\frac{1}{2}$ -inch square on the last sheet of decorative paper. Use a compass to make a semicircle on each side of the square. Cut out the shape.

- 4 Glue the medium square onto the center of the large square so that the squares are at a  $45^\circ$  angle to each other. **Figure B**

- 5 Glue the small square onto the center of the medium square in the same way.



### Taking Note of the Math

Write examples of different types of polynomials on the petals. Then use the remaining petals to take notes on the key concepts from the chapter. When you're done, fold up the petals.

