

WONDERFUL WHALE!

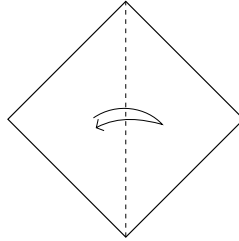
Math Vocabulary

- **Quadrilateral:** Any figure that has four sides.
- **Square:** A quadrilateral that has four right angles (90 degrees) and four congruent sides. The shape you start with for the whale is a square. You turn it on its point to make a diamond.
- **Line of symmetry:** A line that divides two halves that match. As you fold the diamond in half, you are making a line of symmetry down the center.
- **Congruent:** Equal in measurement. Your two halves of the diamond are congruent figures.
- **Triangle:** Any figure that has three sides.
- **Scalene Triangle:** A triangle that has no sides that are the same length. As you make your folds in step 2, you are creating four new triangles. These are all scalene triangles.

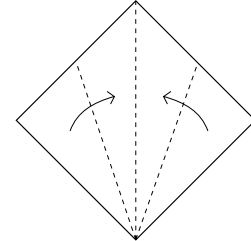
Think About it

- After completing step 3, how many triangles can you count? Remember that larger triangles can contain smaller triangles.
- Find all the triangles that make matching pairs. How many pairs are there?
- In step 5, you have made a quadrilateral a shape that has four sides. Do any of those sides match? What about the angles inside the quadrilateral?

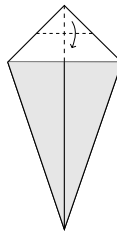
Directions



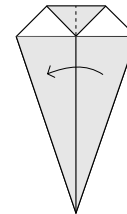
Step 1 Start with a six-inch square, positioned like a diamond. Fold the left point over to meet the right. Open it up again.



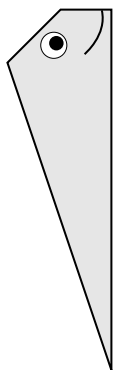
Step 2 Fold the two sides inward to meet the center fold, or line of symmetry.



Step 3 Fold the top point down to meet the folded triangles.



Step 4 Fold the right side over to meet the left side.



Step 5 Rotate the shape so that the long, flat line is at the bottom.



Step 6 Fold the left point up to make a tail. Slit the tail at the top and fold the triangles out. Draw a face on your whale!

