

# WONDERFUL WHALE!

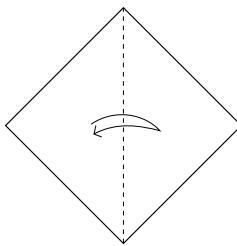
## Math Vocabulary

- **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.

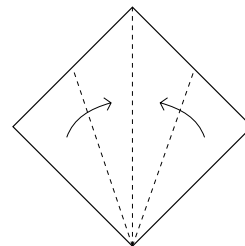
## Think About it

- 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?

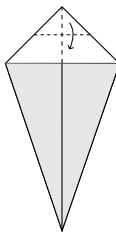
## Directions



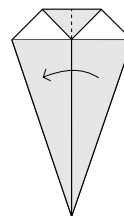
**Step 1** Start with a six-inch square, positioned like a diamond. Fold the left point over to meet the right. Open it up again.



**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!

