

Name: _____

III 3 V-1a

Activity

SQUARE FRACTIONS

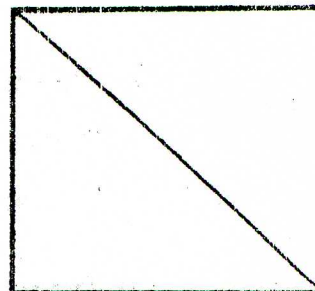
Follow the folding and cutting directions carefully. If scissors are not used, make a sharp crease in the paper, and tear along the crease. Answer each question as you proceed through the activity.

Fold the square along a diagonal and divide it into two pieces by cutting along the fold.

1. What is the geometric name for the polygons formed?

2. How are the two polygons related?

3. Each polygon is what fractional part of the original square? _____
Explain.



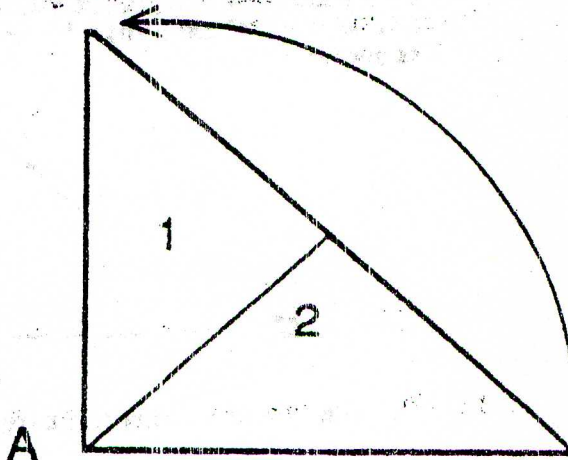
Pick one of the triangles; fold it as shown so that two congruent polygons result. Cut along the fold, and label the polygons 1 and 2.

4. What are the geometric names for polygons 1 and 2?

a. _____ b. _____

5. How are the two polygons related in area?
Explain.

6. Triangle 1 is what fractional part of triangle A?



Note: In the rest of this activity, the large triangle will be referred to as triangle A.

7. Triangle 1 is what fractional part of the original square? _____
Explain.