

Locate the midpoint of the longest side of the remaining large triangle. Fold the vertex of the right angle to match the midpoint of the longest side, and crease the paper on a line as shown below. Cut along the fold to divide the triangle into two pieces, and label the polygons B and 3 as shown.

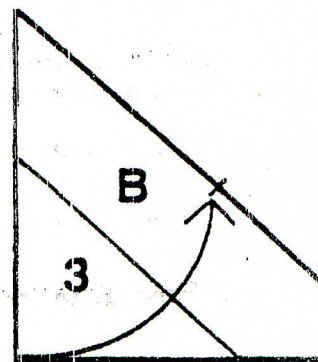
8. What are the geometric names for polygons B and 3?

a. \_\_\_\_\_ b. \_\_\_\_\_

9. How is triangle 3 related to:

a. triangle 1? \_\_\_\_\_

b. triangle A? \_\_\_\_\_



10. Triangle 3 is what fractional part of:

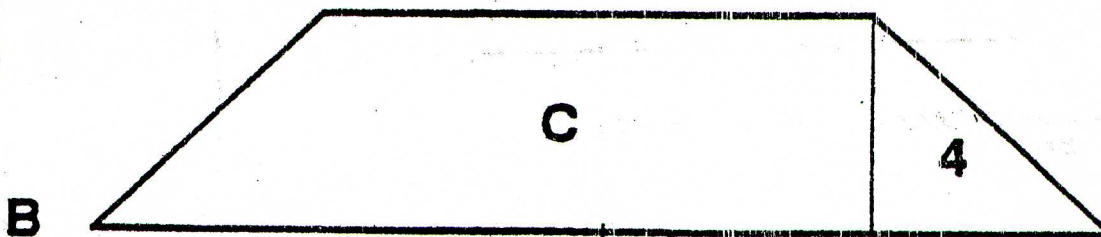
a. triangle 1? \_\_\_\_\_

b. triangle A? \_\_\_\_\_

c. the original square? \_\_\_\_\_

d. trapezoid B? \_\_\_\_\_

Using the isosceles trapezoid, fold one of the endpoints of the longest side to the midpoint of that side. Crease sharply, and cut along the fold. Label the resulting polygons C and 4 as shown.



11. What are the geometric names for polygons C and 4?

a. \_\_\_\_\_ b. \_\_\_\_\_

12. How is triangle 4 related to:

a. triangle 3? \_\_\_\_\_

b. triangle 1? \_\_\_\_\_

c. triangle A? \_\_\_\_\_