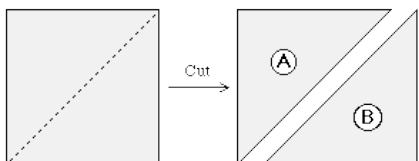


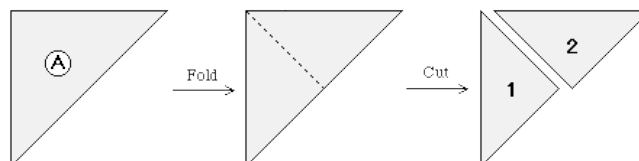
Making A Tangram Set

1. Fold a rectangular piece of paper so that a square is formed. Cut off the extra flap.

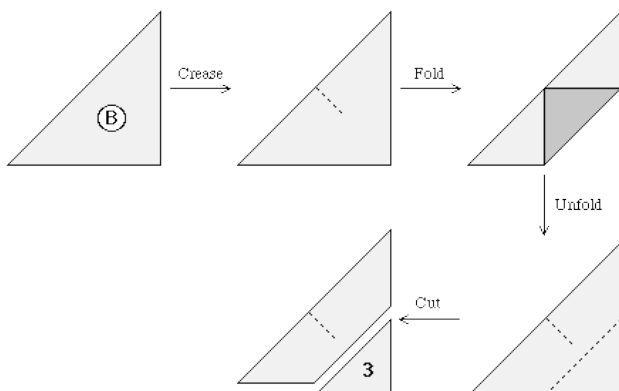
2. Cut the square into two triangles.



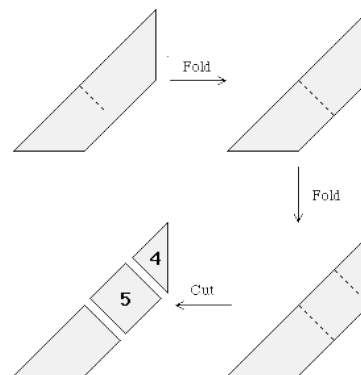
3. Take one triangle and fold it in half. Cut the triangle along the fold into two smaller triangles.



4. Take the other triangle and crease it in the middle. Fold the corner of the triangle opposite the crease and cut.



5. Fold the trapezoid in half and fold again. Cut along both folds.



6. Fold the remaining small trapezoid and cut it in two into a triangle and parallelogram.



Some Tangram Questions

1. Compare the relative sizes of:
 - a. the square and small triangle
 - b. the medium triangle and large triangle
 - c. the large triangle and small triangle
2. Find three shapes that are the same size.
3. If the small triangle has an area of 5, what is the area of the large triangle?
4. If the square has an area of 6, what is the area of the large triangle?
5. If the large triangle has an area of 9, what is the area of the parallelogram?
6. If the small triangle has an area of 3, what is the area of the original 7-piece square?
7. If the medium triangle has an area of 12, what is the area of the 7-piece square?
8. If the small triangle and the square together have an area of 12, what is the area of the large triangle?
9. If the small triangle and medium triangle together have an area of 18, what is the area of the 7-piece square?
10. If the 7-piece square has an area of 20, what is the area of the parallelogram?
11. If the 7-piece square has an area of 15, what is the area of the square?

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