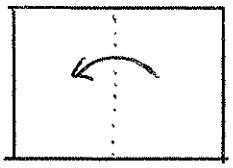
Numeracy

L.O. 1

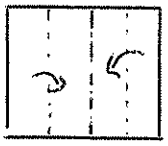
`HOW TO MAKE AN ORIGAMI CUBE.

By B. Horman
31.01.11

1. Choose 6 different colored squares of paper. The finished box will look better if you have different colors.
2. Each piece of paper will be folded in exactly the same way.
3. Choose one square and fold it in half with the color on the outside. You should end up with a rectangle.

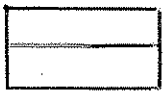


4. Open the square out again with the white side up and the crease down the centre.

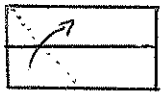


5. Fold both sides in until they touch the crease line. You will end up with what looks like double doors.

6. Turn the rectangle sideways so that it parallel to the edge of the table.

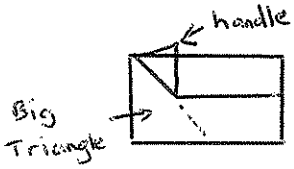


7. Carefully fold the bottom left corner up to create a triangle.



8. Unfold the triangle.

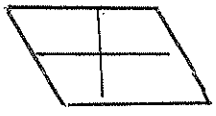
9. Lift the 'handle' up and slide the 'big triangle' over so that it is under the 'top flap'.



10. Now fold the 'handle' under itself and inside the shape.

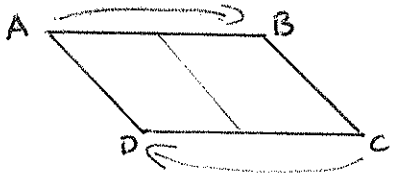
11. Rotate the shape 180 degrees so that the long side is nearest you.

12. Do steps 7 to 11 again with the bottom left hand corner. The final product should look like this.



13. Make five more of them with the other colored squares of paper.

14. Turn one of the parallelograms over. You should only be able to see paper with a crease on it.



15. Make point A (a 'sharp' point) touch point B (a 'flat' point). Make point C (a 'sharp' point) touch point D (a 'flat' point).

16. Do this to the other 5 shapes.

17. The finished pieces are the 6 faces of the cube. The triangle ends of each piece are used to lock the cube together and the square is the face. The side of the square that has a 'cross' on it is the outside of the cube.

18. Check under each piece of the 'cross'. Two have color under them and two are white.

19. Slide the triangle from another piece under the 'white' section of your first piece. Do this with all of them. This is a fiddly stage of the process and I suggest you look carefully at the example piece shown to you by Mr. Horman. If done carefully, you will end up with a cube.