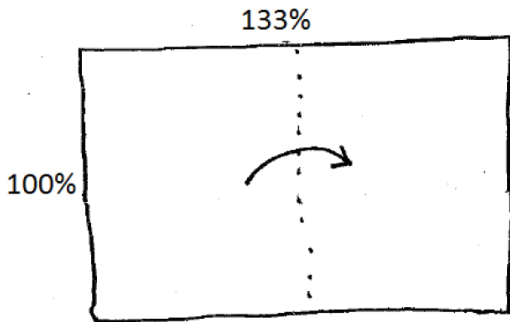
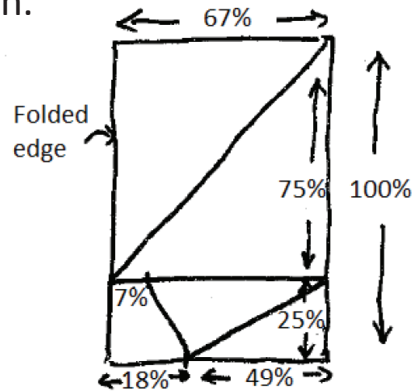


Instructions for making a manu tukutuku (kite)

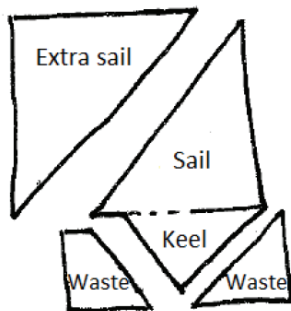
Step 1: Begin with a sheet of material that is $1\frac{1}{3}$ times wider than it is high. Fold the sheet in half.



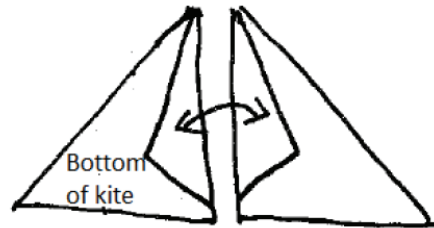
Step 2: Treating the height of the sheet as 100%, mark out this pattern.



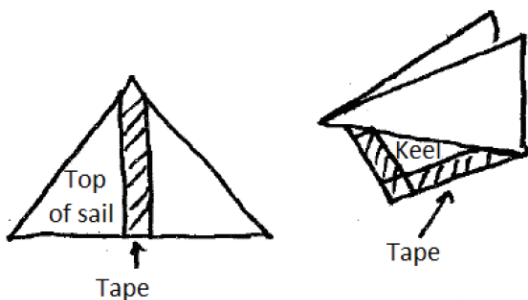
Step 3: Cut out the pattern as shown below. Remember this is a double layer of material.



Step 4: Fold and glue the two keel triangles together.

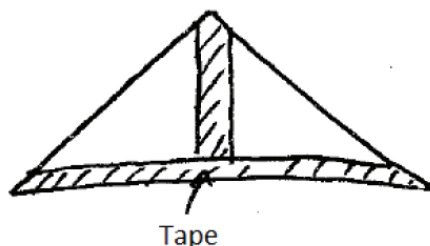


Step 5: Turn the kite over and tape the seam along the centre. Flip the kite over and tape the edges of the keel to reinforce it.



Step 6: Now you can double layer the kite by gluing the extra sail to the top to hide the tape.

Reinforce the trailing edge of the kite with tape.

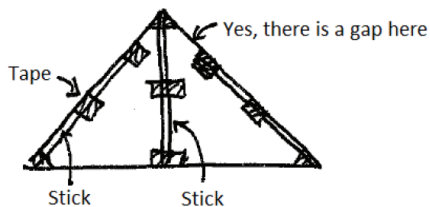


Instructions for making a manu tukutuku (kite)

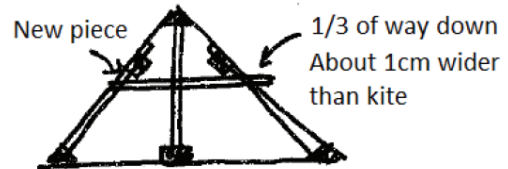
Step 7: Cut three pieces of dowel or bamboo the length of the spine.



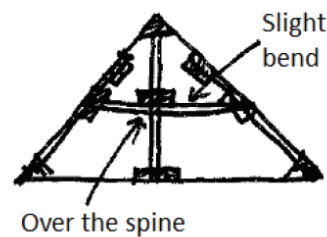
Tape the pieces to the places shown. Make sure the ends are reinforced with tape.



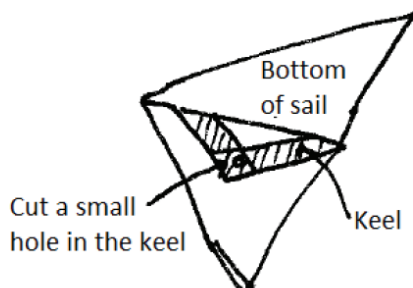
Step 8: Cut a piece of dowel or bamboo the length as shown.



Attach one end with duct tape then bend it slightly to attach the other end.



Step 9: Cut a hole for the string in the reinforced corner of the keel.



Step 10: Decorate the kite. Choose an appropriate Matariki design for your manu tukutuku. Remember that the bottom of your kite, with the keel, is what will be seen when it is flying.



Step 11: Attach a tail and a long string and 'go fly a kite'!

