

Origami Lights



A. SAFETY MESSAGES

1. Please read through these instructions before you start.
2. Adult assistance and supervision are recommended.
3. This kit and its finished product contain small parts that may cause choking if misused. Keep away from children under 3 years old.
4. Scissors are required (not included). Adult supervision is required.
5. Do not use regular or other string lights for this project, as they may generate too much heat and become a fire hazard.

B. USE OF BATTERIES

1. This kit requires 2 x AA, 1.5 volt batteries (not included). For best results, always use fresh batteries.
2. Make sure you insert the batteries with the correct polarities.
3. Remove the batteries when not in use.
4. Replace exhausted batteries straight away to avoid possible damage to the kit.
5. Rechargeable batteries must be removed from the kit before recharging.
6. Rechargeable batteries should be recharged under adult supervision.
7. Do not attempt to recharge non-rechargeable batteries. Do not mix old and new batteries.
8. Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd) batteries.
9. Make sure that the supply terminals are not short circuited.

C. CONTENTS

A string lights with 10 light bulbs, 10 sheets of origami paper, adhesive tape and detailed instructions.

D. ASSEMBLY INSTRUCTIONS

Follow the origami instructions in sections F - J to create your preferred shapes. We have included the instructions for creating 5 origami shapes. If you are a beginner to origami, we recommend that you start with sections F (Butterfly) and G (Tulip), which are the easiest. You could create the whole light string with one single origami shape or you could create a variety of different shapes (see more tips on origami in section E). After you have made the origamis, attach them onto the string lights by simply easing the light bulbs into each origami and securing with an adhesive tape. Attach all the completed origami shapes onto the light string to make a cool room decoration.

E. ORIGAMI SYMBOLS AND BASIC FOLDS

1. VALLEY FOLD - Fold to the front. See the shaded direction arrow and evenly dotted fold line.

4. FOLD AND UNFOLD TO MAKE A CREASE LINE - See the direction line with a shaded arrow at one end and an unshaded one at the other. A crease line, a lighter coloured line, is produced after the fold and unfold step.

2. MOUNTAIN FOLD - Fold to the back. See the unshaded direction arrow and the unevenly dotted fold line.

5. INSIDE REVERSE FOLD -

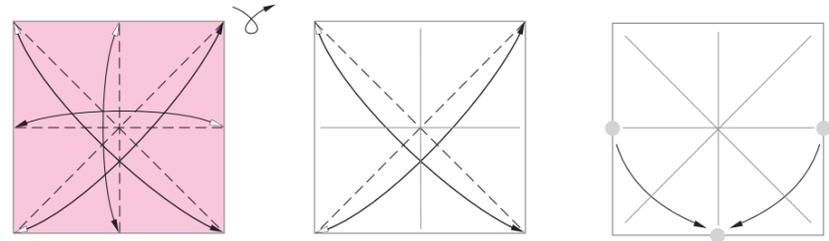
Create a crease line along S S. Insert finger into the layers, then push point A to B along crease line S S. Inside reverse fold is completed.

3. TURN OVER THE PAPER OR FOLDED SHAPE - See the direction arrow in a circular shape.

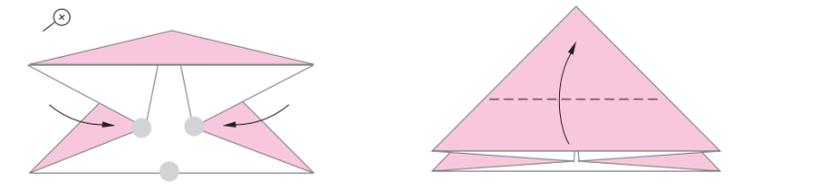
6. DIAGRAM ENLARGED FOR DETAILS - See the magnifier symbol

7. PLEAT FOLD - See the zig-zag arrow symbol. It is accompanied by mountain fold and valley fold lines.

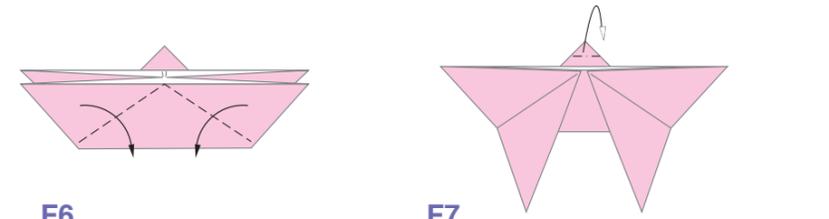
F. Butterfly (for beginners)



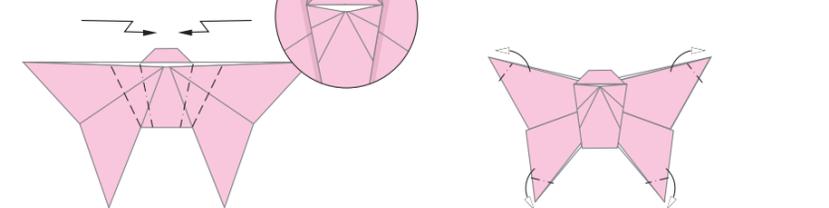
- F1.** Fold and unfold 4 times to make crease lines along the centre lines and diagonals. Turn the paper over.
- F2.** Fold and unfold in half diagonally and in both directions. Crease well and open out once again.
- F3.** Holding the points shown, bring them both down to the centre point on the bottom line. Flatten model. This is called a waterbomb base.



- F4.** It will look like this. A waterbomb base is done.
- F5.** Make a valley fold over this line.



- F6.** Fold the 2 ends downwards by making a valley fold over the 2 lines.
- F7.** Make a mountain fold over the short line on top.



- F8.** Make these pleat folds over all layers of the model.
- F9.** Make a mountain fold on the end of each wing, see the short lines.

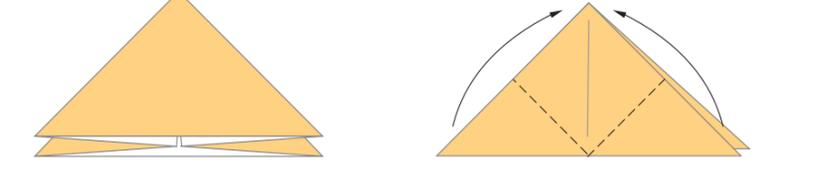


- F10.** It will look like this.
- F11.** Make a mountain fold on the corners indicated with the 2 arrows. Now the wing is more rounded. Do the same on the 3 other wings.

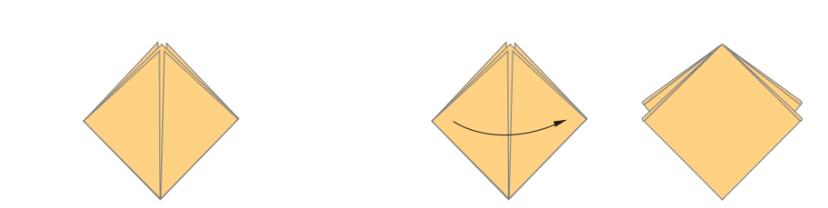


- F12.** Press the edges of left and right wings towards each other. Do this by making a mountain fold in the middle. This fold is to make the body more rounded, so it helps to hold the light bulb underneath.
- F13.** The butterfly is completed. Place the light bulb under the butterfly body and secure with adhesive tape.

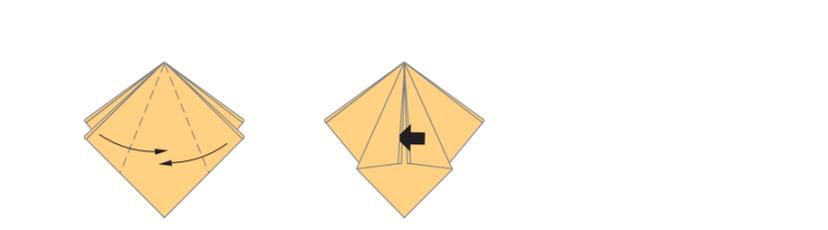
G. Tulip (for beginners)



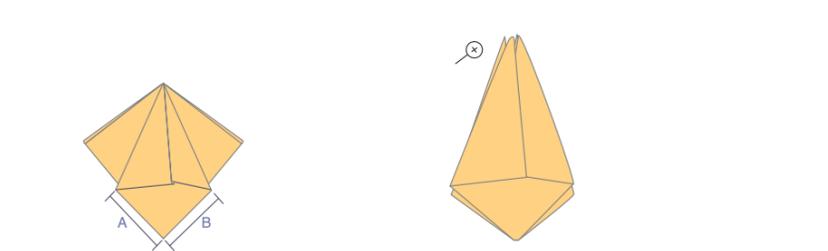
- G1.** Refer to F1-F4 to make a waterbomb base as shown in the diagram.
- G2.** Fold bottom corners of front flaps up to the top corner. Repeat this on the back as well.



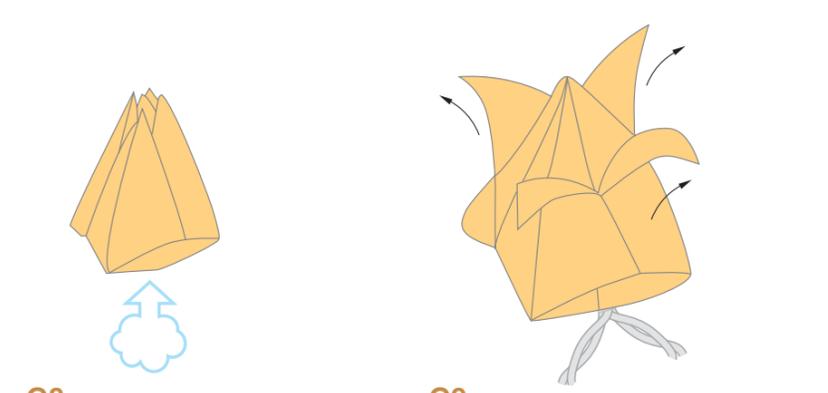
- G3.** It will look like this.
- G4.** Turn the front flap to the right, like turning the pages in a book. Do the same to the other side.



- G5.** Move the upper flaps toward each other, and tuck one into the other, as far as it goes.
- G6.** When you flatten this, make sure the distances A & B shown are equal.



- G7.** Repeat steps 5 & 6 on the back of the folded shape to get this.
- G8.** You will find a small hole created underneath. Blow into the base of the tulip to inflate and shape the flower.



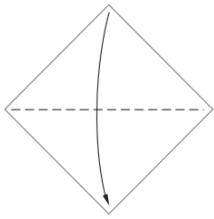
- G9.** Peel each petal down, slowly and carefully. Your tulip is now finished. Simply poke the light bulb through the hole on the bottom of the tulip and secure with adhesive tape.

TIPS : 1. Be patient. If you are stuck on certain steps, it is recommended that you unfold the paper and start again. After you finish one shape, practise the folding steps for a few more times so that you can memorise all the steps. The fun of origami is unlimited after you are familiar with the folding steps. 2. Make the fold or crease line as sharp as possible. You may try pressing the fold softly when aligning the edges. After that, sharpen the fold or the crease line by pressing it hard again. A sharp fold or crease line will help the later steps.

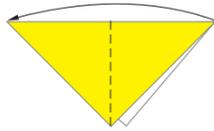
Questions & Comments

We treasure you as a customer and your satisfaction with this product is important to us. In case you have any comments or questions, or you find any parts of this kit missing or defective, please do not hesitate to contact our distributor in your country, whose address is printed on the package. You are also welcome to contact our marketing support team at Email: infodesk@4M-IND.com, Fax (852) 25911566, Tel (852) 28936241, Web site: WWW.4M-IND.COM

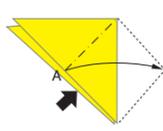
H. Crane



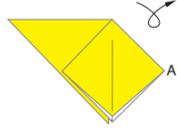
H1.
Fold along the diagonal as shown in the diagram.



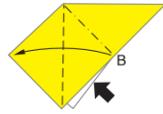
H2.
Fold one side to the other along the centre line.



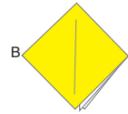
H3.
Pull A to the right.



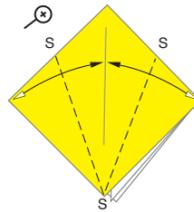
H4.
Turn the fold shape over.



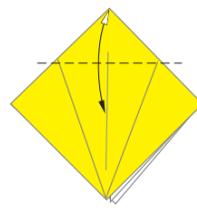
H5.
Pull B to the left.



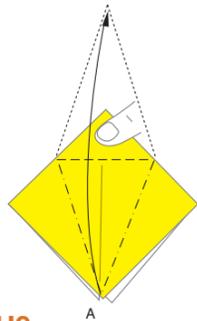
H6.
It will look like this after folding.



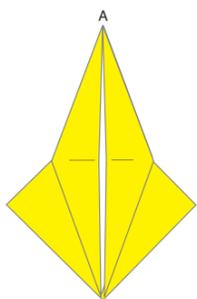
H7.
Fold and unfold both sides to make 2 crease lines SS.



H8.
Fold and unfold the tip to make a horizontal crease line as shown in the diagram.



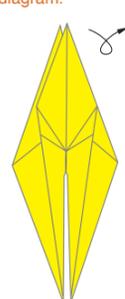
H9.
Position the fold shape by pressing the top of it. Pull lower tip A upwards.



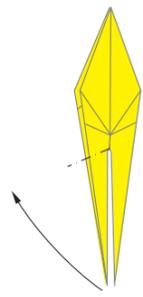
H10.
Repeat steps H7 to H9 at the back.



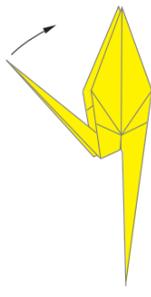
H11.
Making sure you have the right side up, valley fold on the dotted lines using the top layer only.



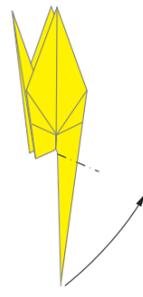
H12.
The figure should look like this. Turn Over. Repeat step H11 at the back.



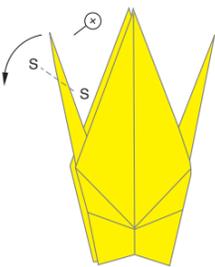
H13.
Inside reverse fold as dotted lines to form the head.



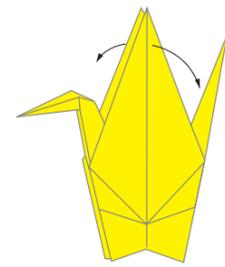
H14.
Slightly open the side and bring the head part up like this.



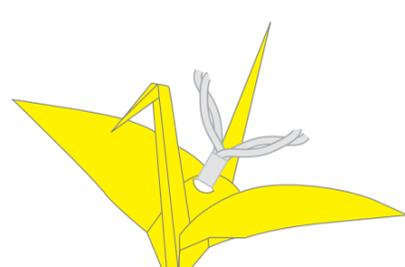
H15.
Bring up at this point and press down. Do the same to form the tail on the other side.



H16.
Reverse fold at dotted lines to form the beak.

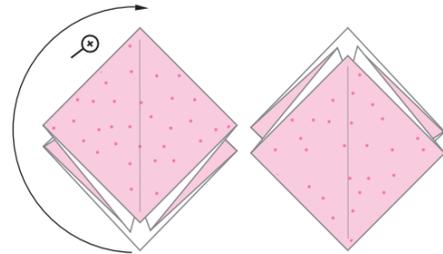


H17.
Bend the wings down and out into the proper position.

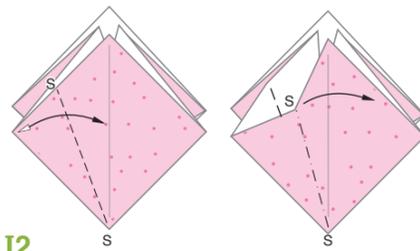


H18.
The crane is complete. Carefully make a small hole on the top of the crane. Poke the light bulb into it and secure with adhesive tape.

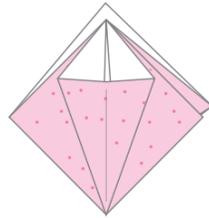
I. Strawberry



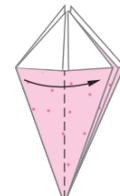
I1.
Refer to H1- H6 to make fold base as shown in the diagram.



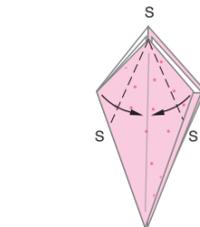
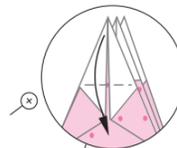
I2.
Fold and unfold the sides to make a crease lines SS. Pull S to the right as shown in the diagram.



I3.
It will look like this. Repeat the same steps for every flip.



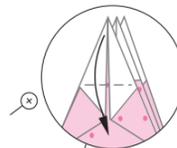
I4.
Turn to the next flip.



I5.
Valley fold along line SS using the top layer only.



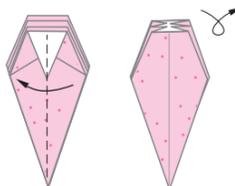
I6.
It will look like this. Repeat the same steps for every flip.



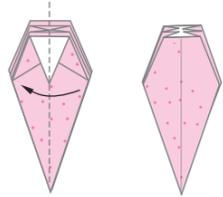
I7.
Fold the top tip to the front as shown in the diagram.



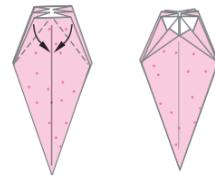
I8.
It will look like this. Repeat the same step for every page.



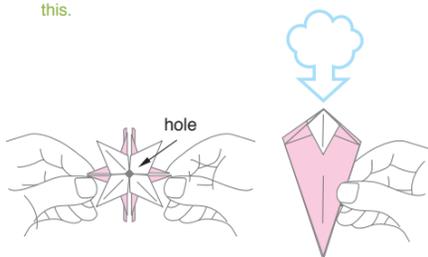
I9.
Flip the right page to the left and it will look like this. Then turn the folded shape over.



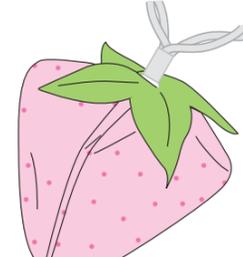
I10.
Again, flip the right page to the left and it will look like this.



I11.
Fold both upper corners to the centre line. It will look like this.

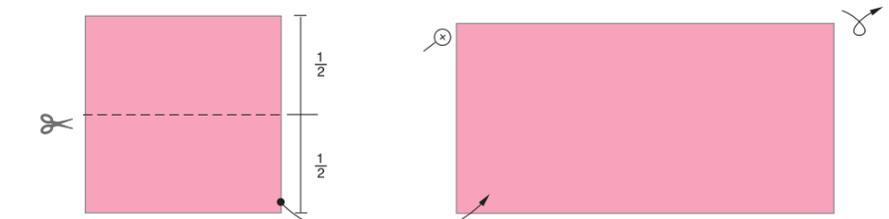


I12.
Gently lift up the leaves. You will find a small hole on top. Blow it up and shape the strawberry.



I13.
You may use felt pen to colour the leaves in green. The strawberry is complete. Simply ease the light bulb into the top of the strawberry and secure with adhesive tape.

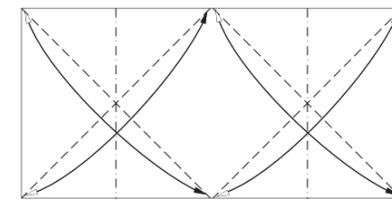
J. Heart



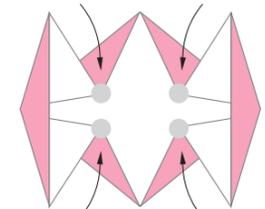
J1.
Cut the paper in half.



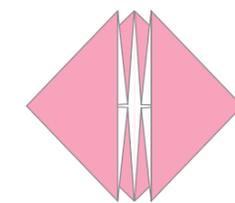
J2.
This is the front of the paper. Turn over the paper.



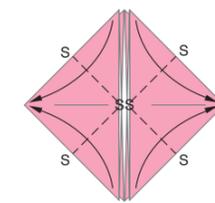
J3.
Fold and unfold to make mountain and valley folds over these lines.



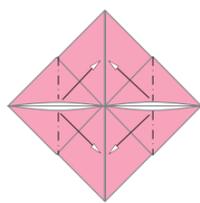
J4.
Holding the points shown, bring them both down to the centre of the paper. Do it on both sides.



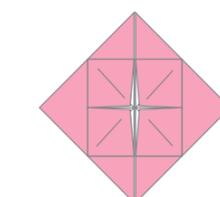
J5.
It will look like this.



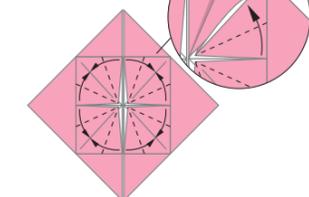
J6.
Fold the 4 tips by making a valley fold over the lines SS.



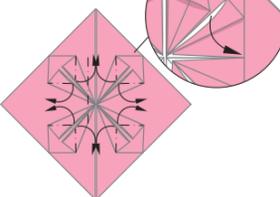
J7.
Pull 4 points as shown in the diagram by making a mountain fold.



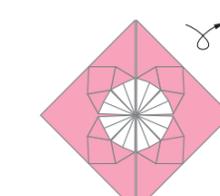
J8.
It will look like this.



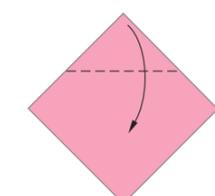
J9.
Make valley fold on the dotted line.



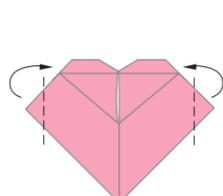
J10.
Pull out and flatten the ends downwards by making mountain folds over the lines.



J11.
Turn the folded shape over.



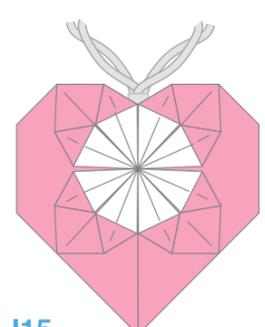
J12.
Fold along the line as shown in the diagram.



J13.
Fold the 2 ends inwards.



J14.
Then turn the folded shape over.



J15.
A beautiful heart is complete. Carefully put the light bulb in between the folds of the heart and secure with adhesive tape. It's done!