

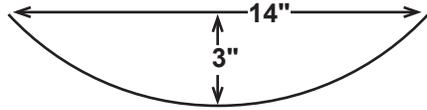
# Instructions For Scallop Template

The Scallop Template makes drawing scallops quick, accurate and simple. The first part of the instructions will demonstrate the basics of using the template. In the second part of the instructions, we will show you how to use the template to draw various designs, from simple to intricate. The best way to follow these instructions is to read from beginning to end and try each example, since the instructions start simple then gradually progress to a higher level. (DYC55)

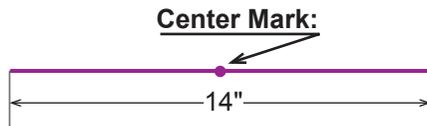
## How to Draw Basic Scallop Shapes

### A) Draw a Downwards Curved Scallop

To draw a scallop with a desired width of **14"** and a height of **3"**, follow the following steps:



**Step 1** Draw a 14" straight line for the width of the scallop. Mark the center.

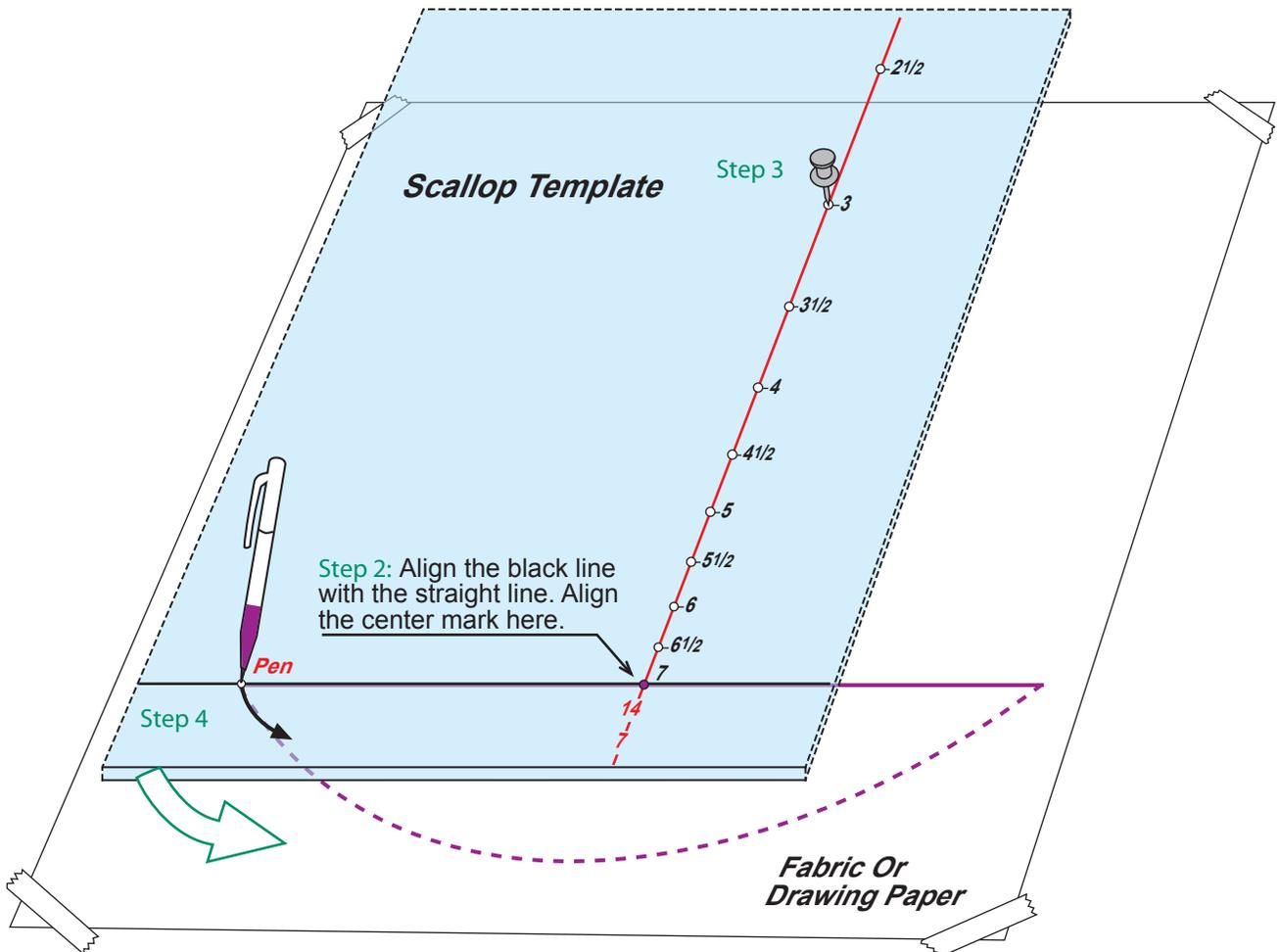


**Step 2** On the template, find the black line. Align it with the straight line drawn in Step 1.

On the template, find the red line with the desired scallop width (**14"**). Place the cross point of this red line and the black line on the center mark drawn in Step 1.

**Step 3** Along the red line labeled for 14" scallop width, find the desired scallop height (**3"**). Stick a push pin through the hole next to the 3" marking into the worktable.

**Step 4** Put a pen through the hole marked "Pen", and draw along the direction indicated by the black arrow while rotating the template.

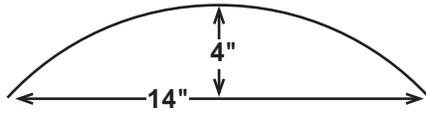


### Note:

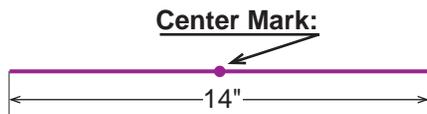
- The desired scallop height is the difference between the long point and the short point measurements.
- The Scallop Template can be used to draw scallops on either scrap fabric or paper. Avoid drawing designs directly on expensive fabric, since mistakes can be costly and pin holes are not desirable. Make a pattern on paper, then trace on to fabric instead. Use masking tape or push pin to tack down the fabric or paper, so it will not shift when you are drawing.
- Template should be used on a worktable with a surface which can be pinned into.

## B) Draw a Upwards Curved Scallop

Here is an upwards curved scallop with a desired width of 14" and a height of 4". Follow the following steps to draw this shape:



**Step 1** Draw a straight line for the scallop width. Mark the center.

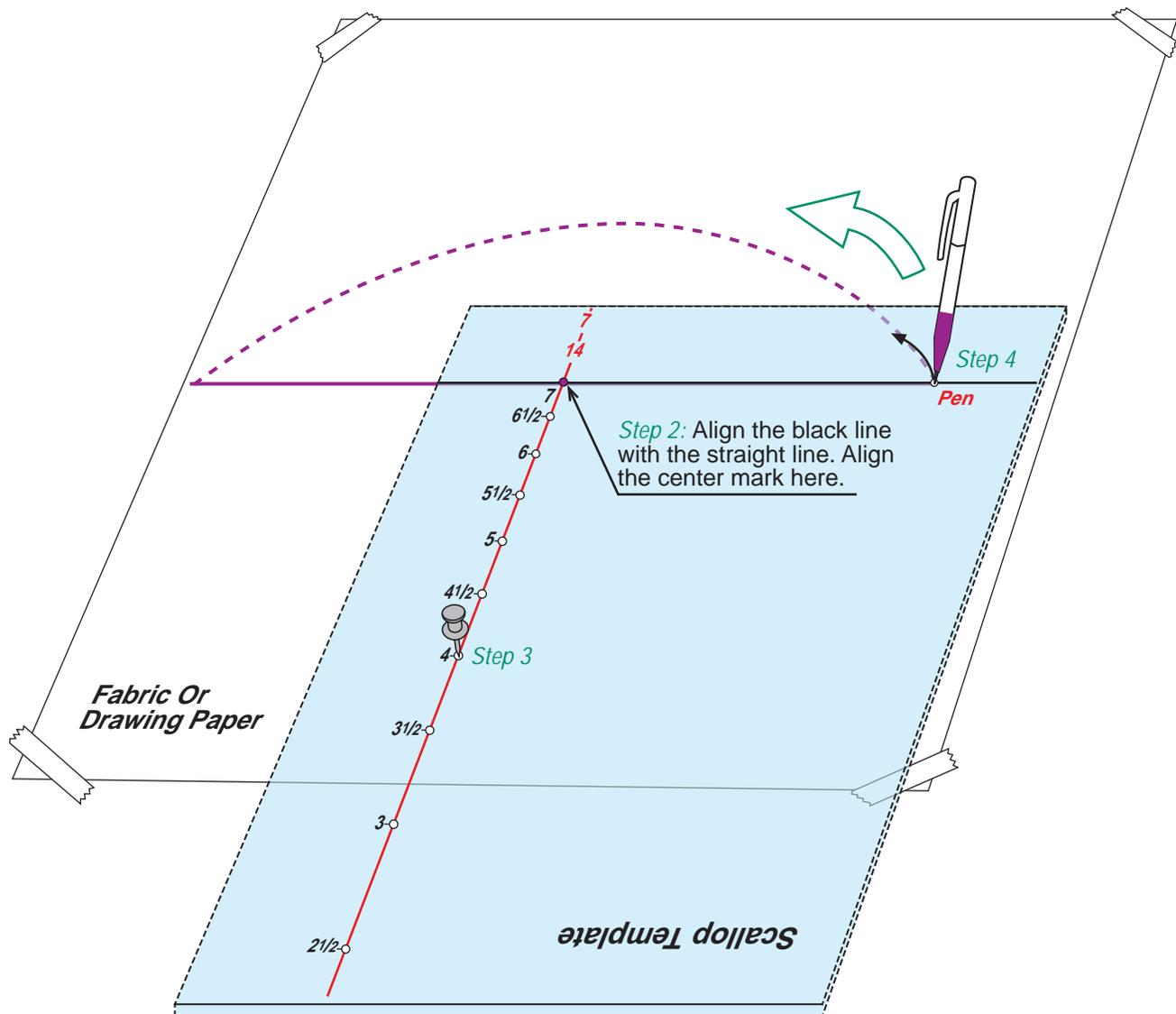


**Step 2** Turn the template round 180°, as shown below. On the template, find the black line. Align this black line with the straight line drawn in **Step 1**.

Find the red line with the desired scallop width of (14"). Place the cross point of the red line and the black line on the center mark.

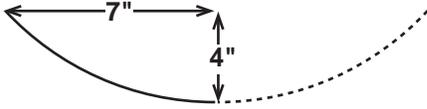
**Step 3** Along the red line labeled for 14" scallop width, find the desired scallop height (4"). Stick a push pin through the hole next to the 4" mark into the worktable.

**Step 4** Insert a pen through the hole marked "Pen", and draw along the direction indicated by the black arrow while rotating the template.

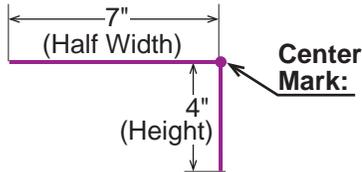


### C) Draw a Half Scallop

The steps for drawing a half scallop are very similar to those for drawing a full scallop. Here is an example of a half scallop with a half-width of 7" and a height of 4".



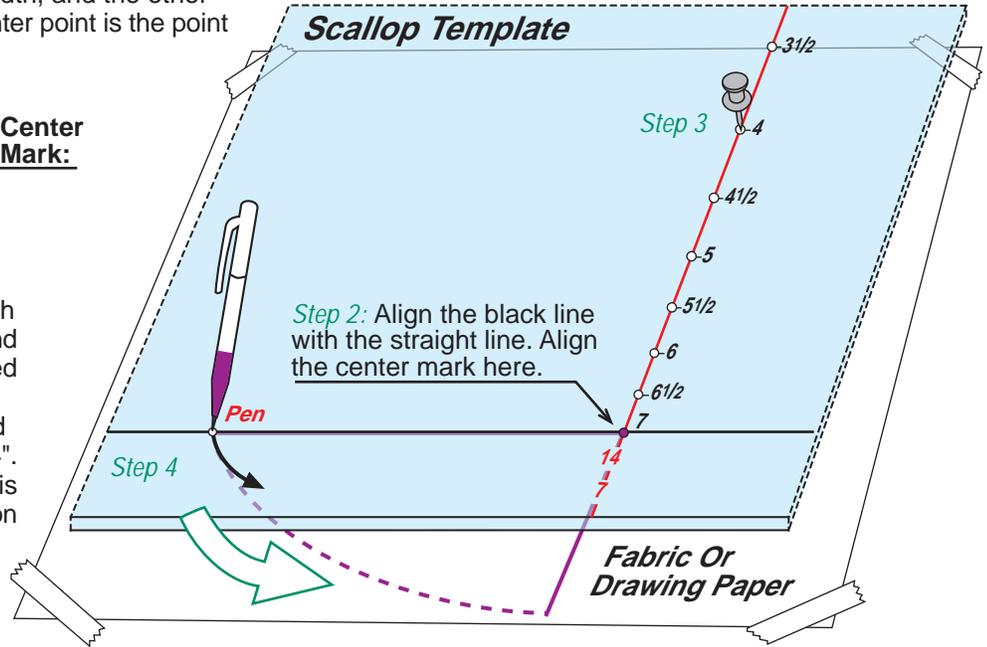
**Step 1** Draw two straight lines that make a right angle. One for the scallop half-width, and the other the scallop height. The center point is the point where two lines meet.



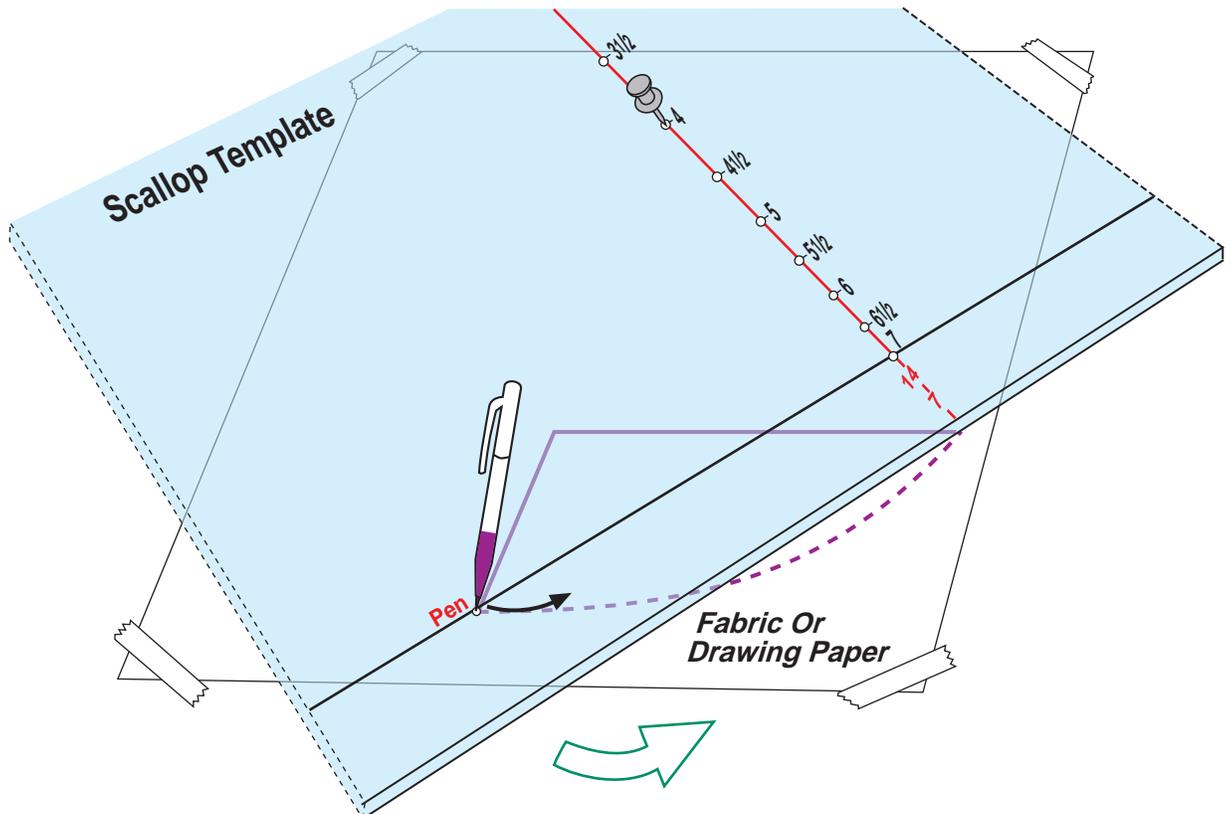
**Step 2** Align the black line on the template with the half-width line. Along the black line, find the red line with the desired scallop half-width (7"). Notice this is the same red line for a scallop width of 14". Place the cross point of this red line and the black line on the center mark.

**Step 3** Along the same red line, find the desired scallop height (4"). Through the hole next to the 4" mark, stick a push pin into the worktable.

**Step 4** Insert a pen through the hole marked "Pen", and draw along the direction indicated by the black arrow on the template, while rotating the template. Stop when the curve meets the height line.



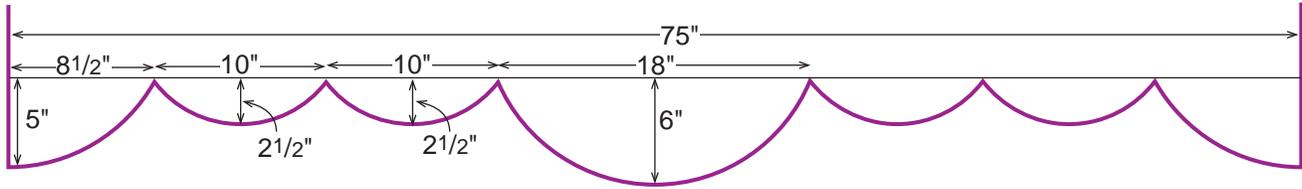
**Note:** To draw the opposite side of the half scallop, follow the same **Steps 1** through **3** as above. Then, insert a pen through the hole marked "Pen"; rotate the template along the arrow direction until pen meets the height line. Draw the curve while continuing to rotate the template.



## Applications of Scallop Template:

### A) Draw Scallop Designs:

Here is an example using the Scallop Template:



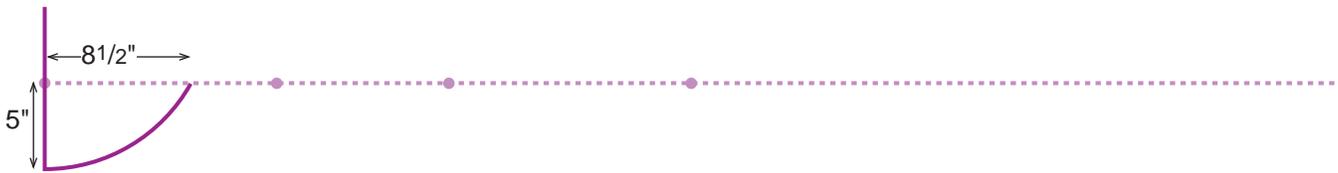
**Step 1** Draw a 75" long straight line.



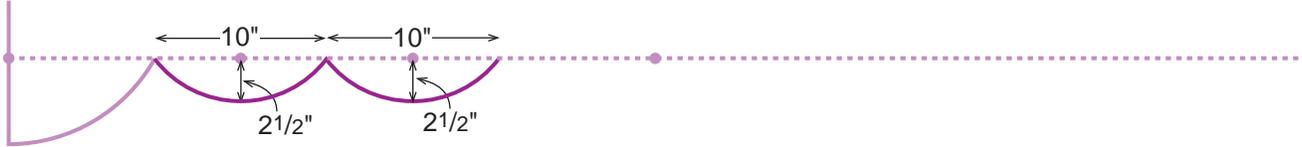
**Step 2** Mark the center point for each scallop.



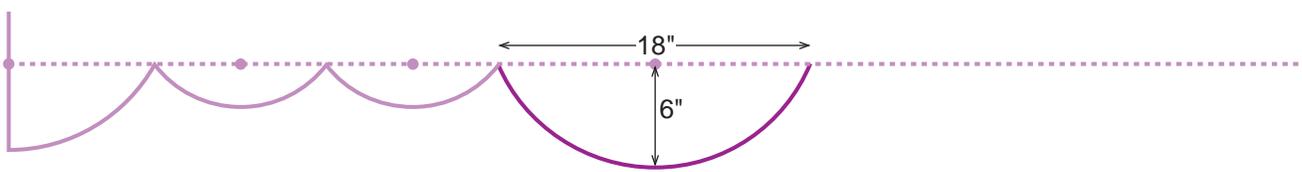
**Step 3** Draw a straight vertical line. Then draw a half scallop with a half-width of 8 1/2" and a height of 5".



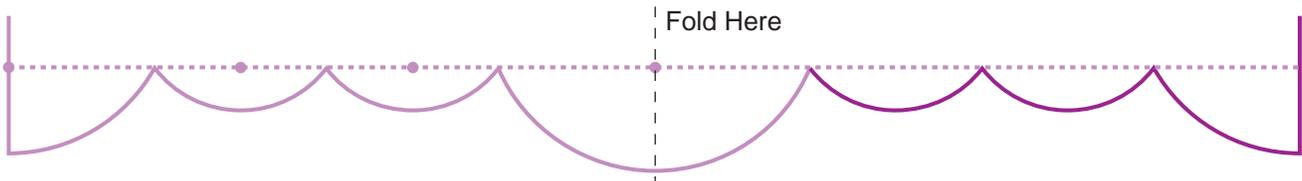
**Step 4** Draw two scallops with a scallop width of 10" and a height of 2 1/2".



**Step 5** Draw a scallop with a width of 18" and a height of 6".

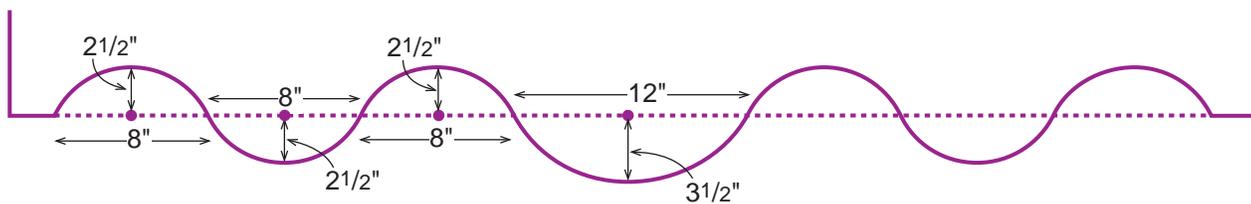


**Step 6** Draw the rest by folding the pattern over and duplicate:



### B) Draw Wave Designs

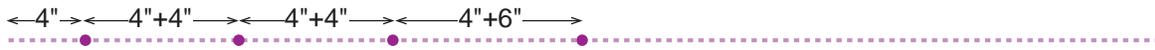
The Scallop Template can also be used to draw wave designs:



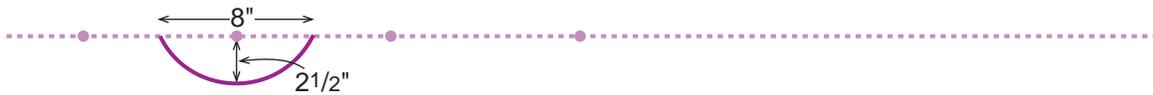
**Step 1** Draw a 60" long straight line.



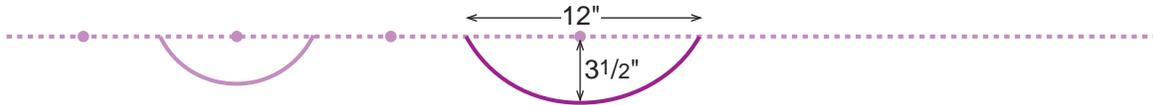
**Step 2** Mark the center points for each scallop.



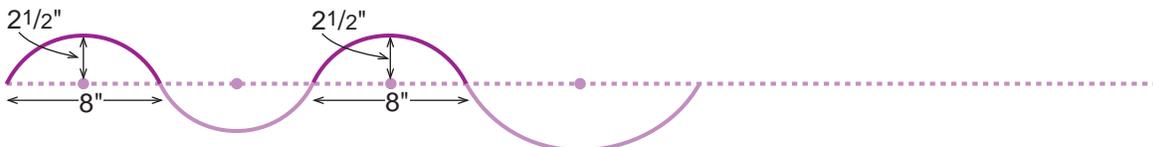
**Step 3** Draw the first downward scallop with a width of 8" and a height of 2 1/2".



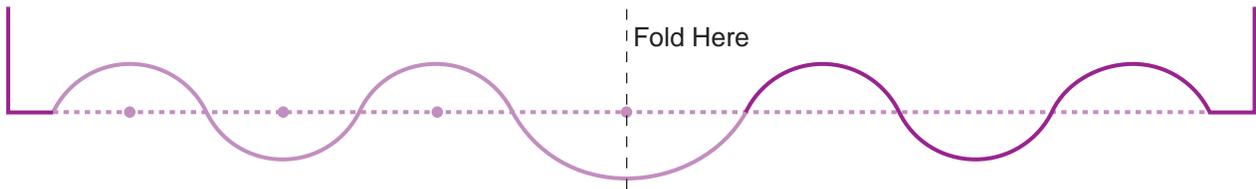
**Step 4** Draw the second downward scallop with a width of 12" and a height of 3 1/2".



**Step 5** Turn the Scallop Template around 180°. Then draw the two upward scallops with a width of 8" and a height of 2 1/2".

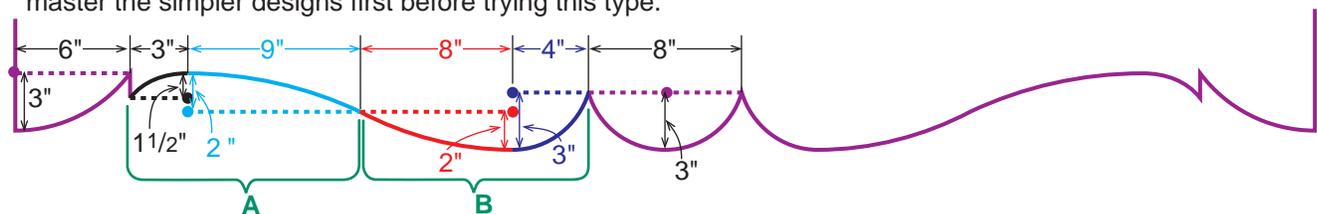


**Step 6** Draw the straight line segments. Then fold the pattern where indicated and duplicate the rest.



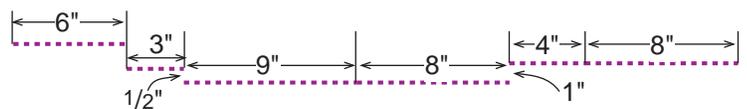
### C) Draw a More Intricate Design

With some practice, one can use the Scallop Template to draw more intricate designs. It will be a good idea to master the simpler designs first before trying this type.



The asymmetrical scallops **A** and **B** can be regarded as each made of two half scallops. To clarify, we color coded scallop **A** and **B** in the diagram above. A half scallop with a half-width of 3" and a height of 1 1/2" (in black), and a half scallop with a half-width of 9" and a height of 2" (in light blue) make up scallop **A**. Scallop **B** is made of a half scallop with a half-width of 8" and a height of 2" (in red), and a half scallop with a half-width of 4" and a height of 3" (in dark blue).

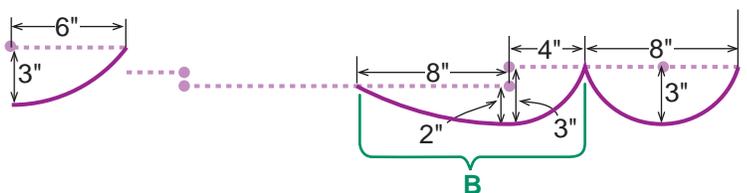
**Step 1** Use the measurements in the picture above to draw straight lines for scallop widths and half-widths.



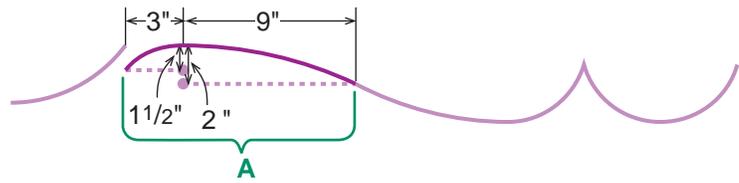
**Step 2** Mark the center points for each whole or half scallop.



**Step 3** Draw all the half and full scallops with downwards curves: a half scallop with a half-width of 6" and a height of 3"; a half scallop with a half-width of 8" and a height of 2"; a half scallop with a half width of 4" and a height of 3"; A full scallop with a width of 8" and a height of 3". Make sure to use the correct center point for each scallop.



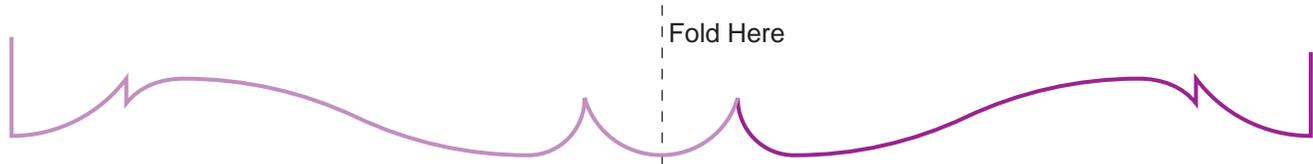
**Step 4** Turn the template around 180°. Draw the half scallops with upward curves: a half scallop with a half-width of 3" and a height of 1 1/2"; a half scallop with half width of 9" and height 2".



**Step 5** Draw the straight line segments.



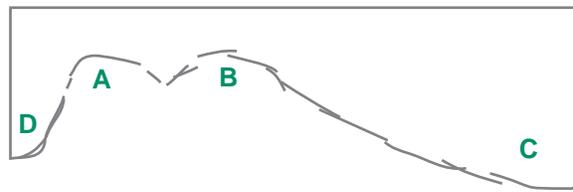
**Step 6** Fold the pattern where indicated and duplicate the rest.



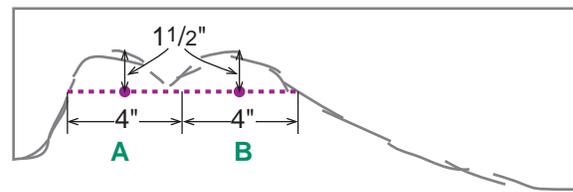
### D) Refine a Quickly Sketched Design

Here is a design quickly sketched with pen and straight edge. The sketch is rather rough, but one can use the scallop template to refine this sketch.

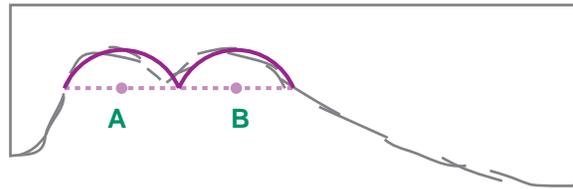
**Step 1** Notice there are two upward curved scallops (**A** and **B**); one downward curved half scallop **C** and a sideways curved half scallop **D**.



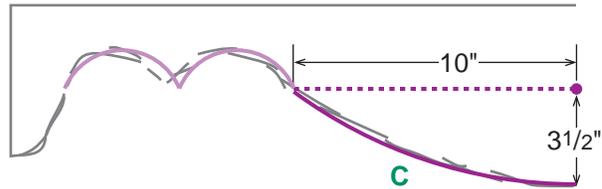
**Step 2** Draw straight lines for scallop widths **A** and **B**. Measure the widths and mark the center marks. Measure the scallop heights. Let's make scallops **A** and **B** the same size: 4" width and 1 1/2" height.



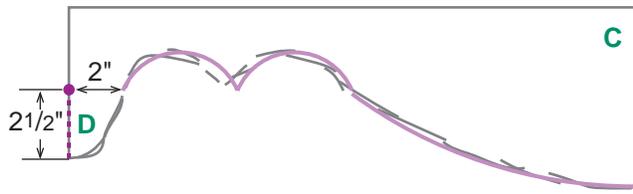
**Step 3** Draw scallops **A** and **B**, both with a 4" width and a 1 1/2" height.



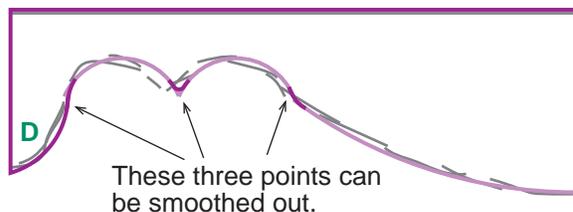
**Step 4** Draw and measure a half-width for half scallop **C**. Mark the center point and measure the height. Then draw the half scallop **C** with a 10" half-width and a 3 1/2" height.



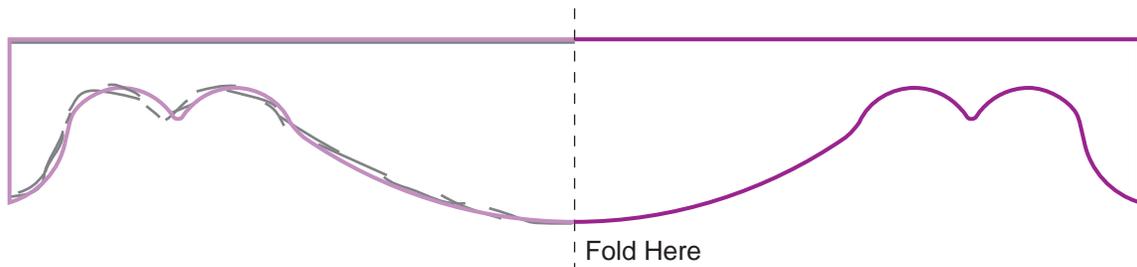
**Step 5** Since the half-width is always the same or greater than its height, half scallop **D** can be regarded as a half scallop curved sideways. Measure and draw the half-width. The half-width is 2 1/2". Mark the center point and measure the height: 2".



**Step 6** Turn the scallop template around by 90°. Draw half scallop **D** with a 2 1/2" half-width and a 2" height. Use a straight edge and draw the straight line segments. With a pen, draw over to smooth out any abrupt points.



**Step 7** Fold the pattern where indicated and duplicate the rest.



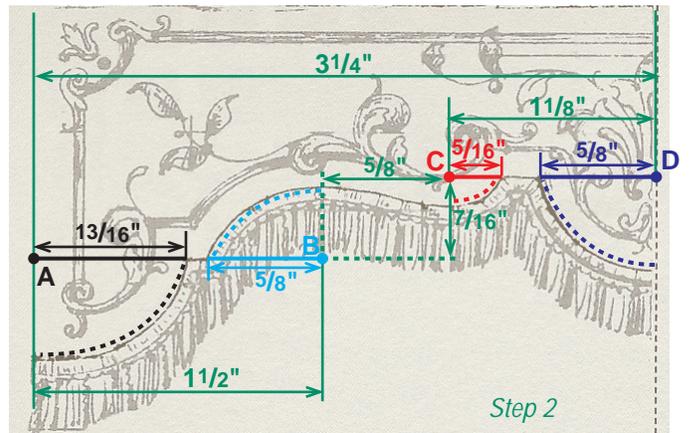
**E) Enlarge a Design from Books or Magazines to the Custom Size**

Often, one needs to enlarge a drawing or photo from books or magazines to the actual custom size.

**Step 1** Assume a cornice board will be built according to the design from a drawing shown below. The width of the actual cornice board is 72", or the half-width is 36". Measure the width of the drawing below. It is 31 1/4". Using our Picture Enlarger (DYC11), align 31 1/4" on the inner wheel with 36" on the outer wheel. Do not let the wheel move.

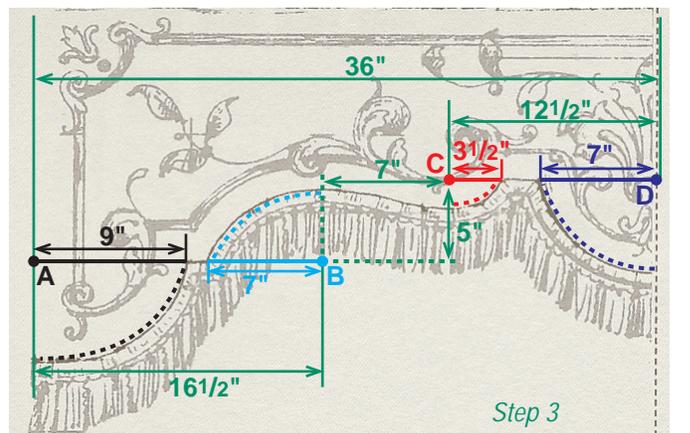


**Step 2** Notice there are mainly four half scallops in the design. At each scallop, draw scallop half-width line and mark the center. In the diagram at the right, each center point is indicated by a letter (A, B, C and D). Measure each scallop width and the distance from each other. For better illustration, each half scallop is color coded. For example, the half scallop C (in red) has a half-width of 5/16" and its center is 5/8" to the right and 7/16" above the center of the half scallop B (in light blue).

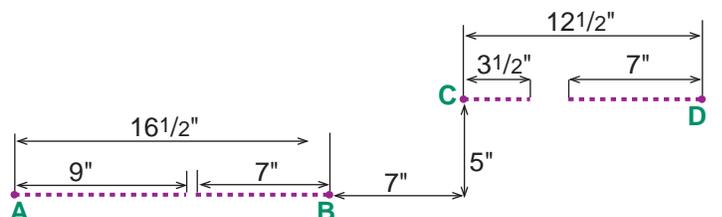


**Step 3** On the Picture Enlarger (DYC11), make sure 31 1/4" on the inner wheel is still aligned with 36" on the outer wheel. Convert each measurement in the picture to the actual size. For example, for half scallop A (in black), find 13/16" on the inner wheel (in blue color), the actual half width is about 9".

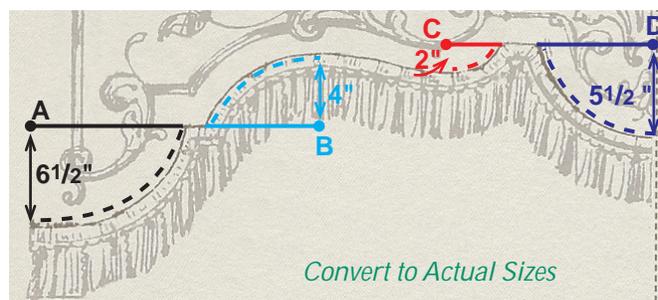
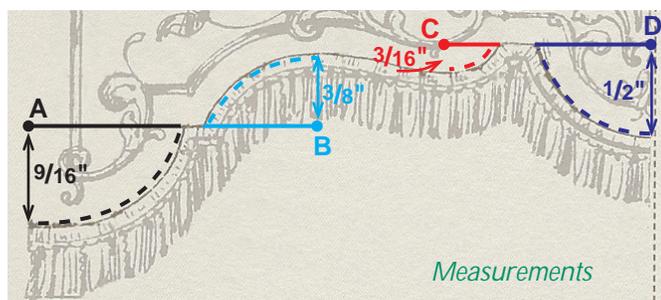
Due to the measuring errors and approximations, some adjustments may be needed to make sure the actual dimensions add up to 36" wide.



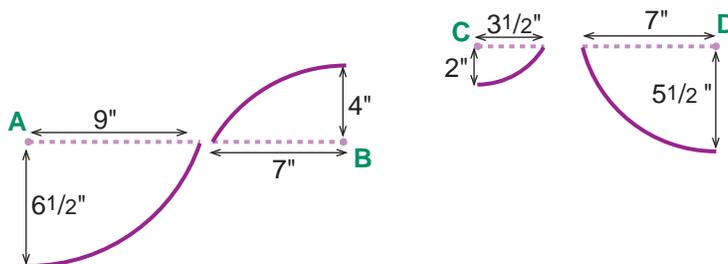
**Step 4** On pattern paper, draw the straight lines for the half scallop widths using the actual custom size. Mark the center points.



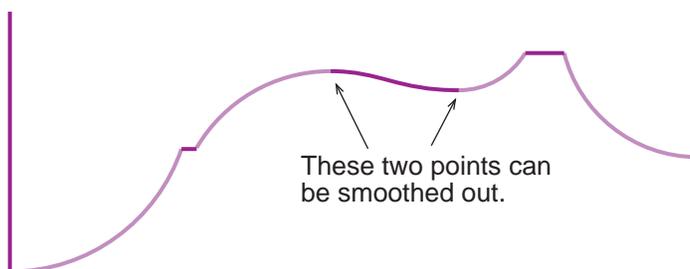
**Step 5** Measure the height of each half scallop in the original picture. Use the Picture Enlarger (DYC11) and convert the measurements to the custom sizes as shown.



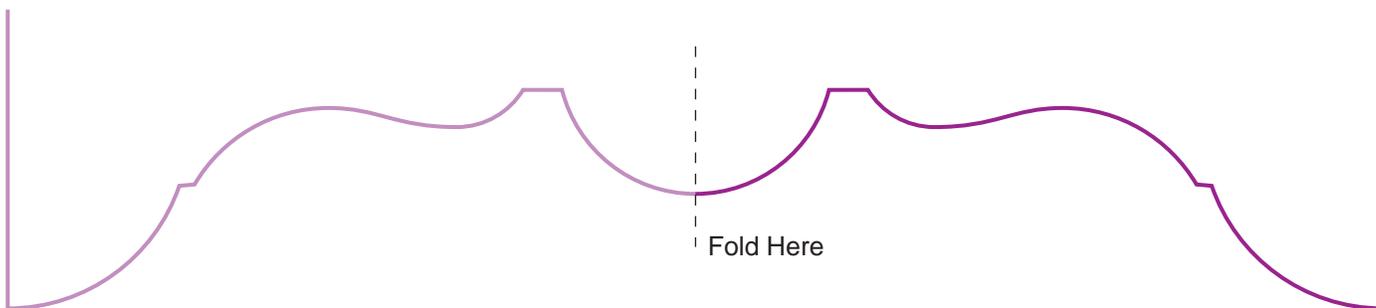
**Step 6** Draw each half scallop using the actual half scallop width and height.



**Step 7** With a straight edge, draw straight line segments.



**Step 8** Fold the pattern where indicated and duplicate the rest.



## Tips

**Tip 1** The scallop template has nothing to do with seam allowance. The user needs to add the seam allowance. For example, a treatment with multiple identical scallops at the bottom has a long point of 18" and a short point of 13". Each scallop height should be 5". If the seam allowance is 1/2", adjust the long point to 18 1/2" and the short point to 13 1/2". No adjustments need to be made to the scallop height or width.

**Tip 2** To sew a scallop design, draw or trace the scallop design on the fabric; do not cut; sew first; then cut the design. This way there is less chance for distortion.

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