



Cuckoo Clock

Project by: Samantha Walker

Project Level/Time: Advanced/6-8 hours

Equipment:

Janome Artistic Edge Cutting Machine.

Janome MC 15000 use Janome Hoop GR*

*You can substitute the GR Hoop for a smaller hoop with the modified embroidery files included.

Software:

Artistic Creative DRAWings if you want to modify the file.

Embroidery Design and Pattern Provided:

SW-cucoo-clock front.jef

SW-roof-cuckoo-clcok.jef

SW-cuckoo-clock-pattern.pdf

Supplies:

Two 18x22 inch squares light quilt Batting (for the roof and front of the cuckoo clock)

Polester Fiber Fill for stuffing the clock

rice (to weight the pinecone weights)

stiff fabric stabilizer (optional for harder corners)

2 feet of aqua pom-pom trim

2 inch clock kit



Embroidery Thread:

4 graduating shades of pink, 2 shades of aqua, 1 medium brown, cream and yellow

Fabric:

Roof:

One 18x22 inch piece of brown fabric so that it will fit on the Janome Hoop GR. You will also need a backing fabric of the same size. I used white, but you can use any fabric scraps or the same as the face fabric if you wish. For the brown fabric, I used the stars fabric from my Rodeo Rider collection

Note:

If you do not have a large hoop, you can use a smaller hoop, and modify the roof so that only half of it embroiders at one time. Leave space at the peak to be able to sew two roof pieces together to form the complete roof. Modification instructions are included.

Front of clock:

One 18x22 inch piece of pink fabric so that it will fit on the Janome Hoop GR. I used the horse-shoe fabric from my Rodeo Rider collection for Riley Blake. You will also need backing fabric. I used white. Please note: The file can be modified for smaller hoops by eliminating the stitched outline of the clock where you would cut it out, so that only the clock face, fence and bird widow appear in the hoop. Then you would use the pattern piece to cut the clock front instead of cutting on the outline stitch provided in the embroidery file.

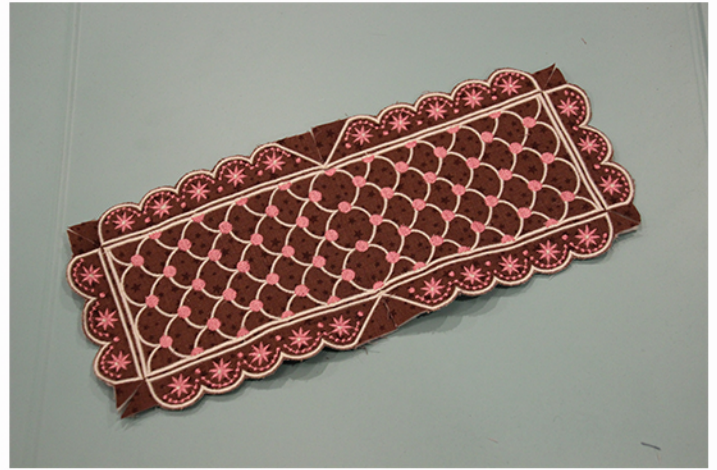
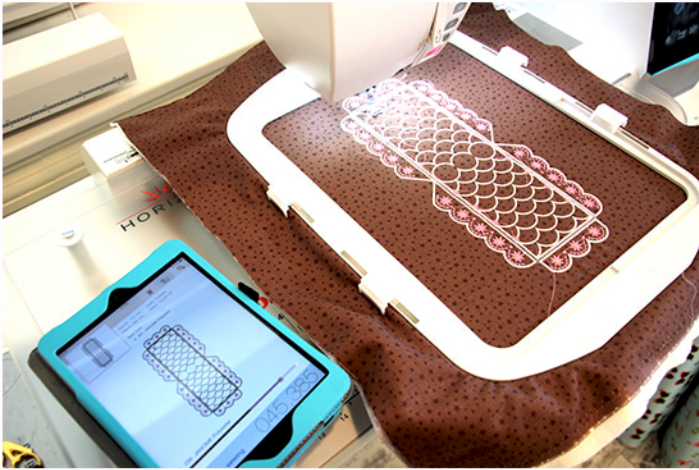
Back pieces:

will fit on a 9x11 piece of fabric. I used the horse-shoe fabric from my Rodeo Rider collection for Riley Blake.

Sides:

One 4x26 inch strip of mint fabric. Then cut it in half to make two 4x13 inch strips. You may cut these slightly longer to be more forgiving, and trim the excess after the sewing is completed. I used the mint paisley from my Rodeo Rider collection

Roof Embroidery and Cutting



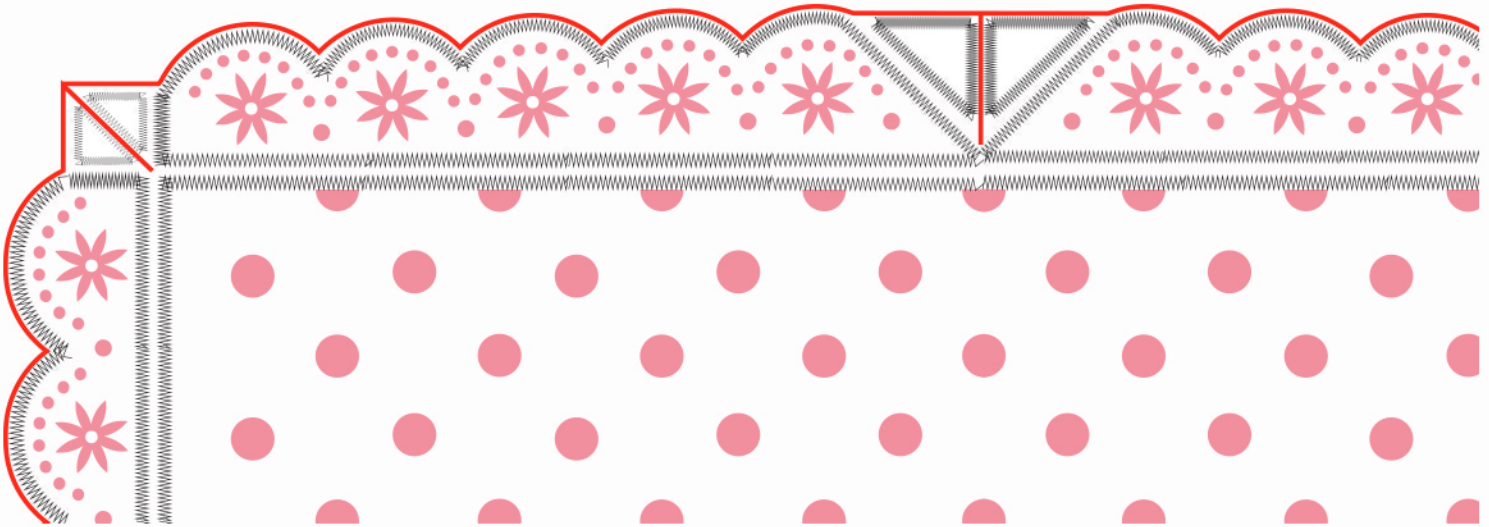
Step 1. Preparing for GR Hoop*

Sandwich the 18x22 inch piece of quilt batting between the backing fabric and the brown fabric. Place the 3 layer brown fabric "sandwich" in the GR hoop, with brown fabric on top.

*If you do not have the GR hoop, proceed to the roof modification instructions on following page.

Step 2. Embroidering the Roof

After the fabric is placed in the hoop, prepare your cream, and pink threads for embroidery, then load roof design and embroider, then remove from hoop. This sequence takes a while. You might enjoy using your wifi capabilities and monitor on your ipad while you wait for your thread change.

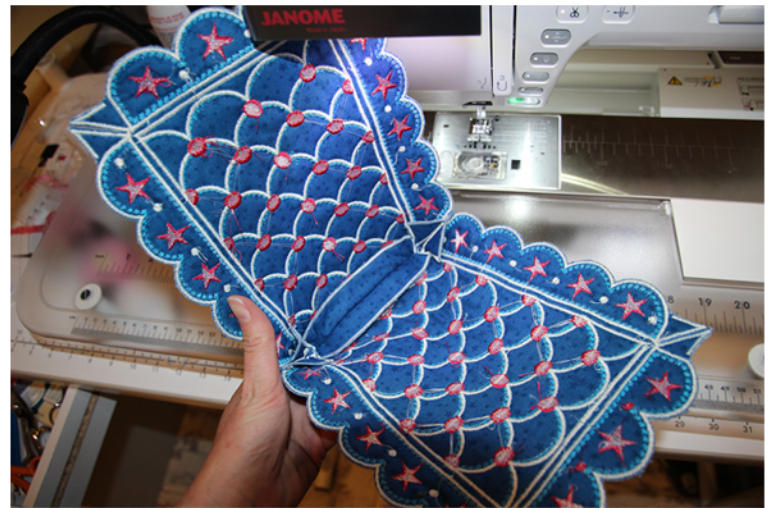
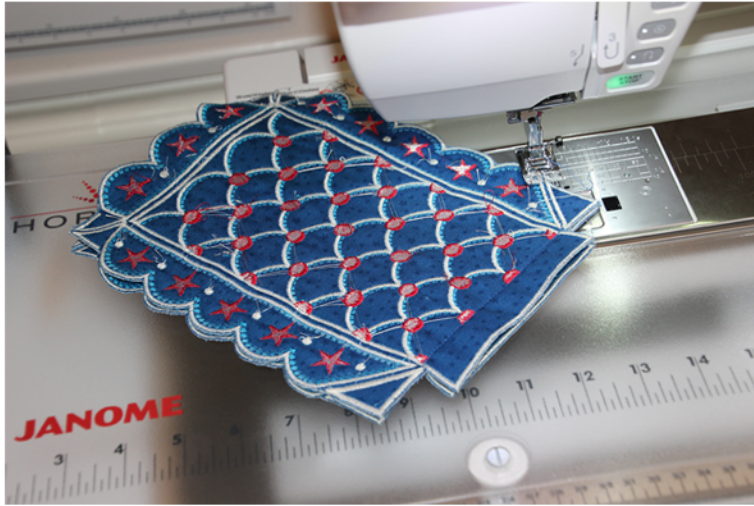


Step 3. Cut out the Roof

After the roof design has been embroidered, Cut around the edges of the design as close to the satin stitching as possible. You will snip the corners, and at the middle section of the roof, on the red line, as shown in the illustration above.

We will be stitching these triangle corners together in the next step.

Alternate Instructions for 2 piece roof design for those with smaller hoops



Use Embroidery design file: SW-Roof-divided-RE18.JEF

This embroidery file is for half of the roof, so you will need to do this twice for each half.

Step 1a. Preparing for Smaller Hoops

Cut fabric so that it will have 3 inches excess around the hoop. Sandwich fabric and the piece of quilt batting between the backing fabric and the brown fabric.

Place the 3 layer brown fabric "sandwich" in the your hoop, with brown fabric on top.

Step 2a. Embroidering the Roof

After the fabric is placed in the hoop, prepare your cream, and pink threads for embroidery, then load roof design and embroider, then remove from hoop. This sequence takes a while. You might enjoy using your wifi capabilities and monitor on your ipad while you wait for your thread change.

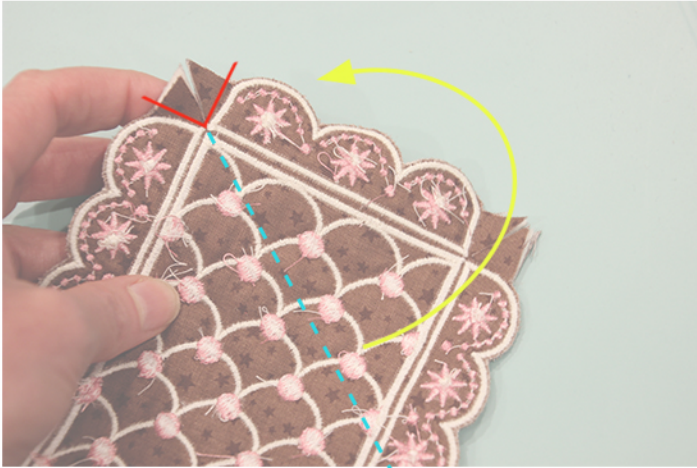
Step 3. See Previous page photos and instruction for cutting. You will be cutting two halves instead of a whole roof piece.

Additional step:

You will then sew the 2 roof pieces together at the peak, then continue to follow along on step 4.

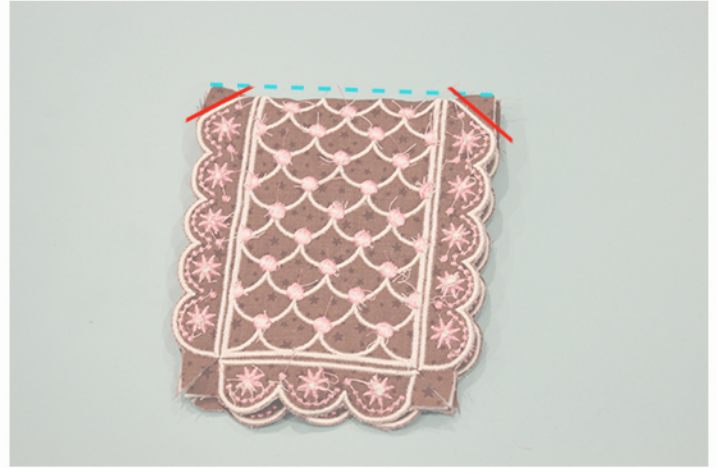
Sewing the Roof Together

Roof Corners



Fold roof corner at dotted turquoise line. After folded, sew where red lines meet.

Roof Peak

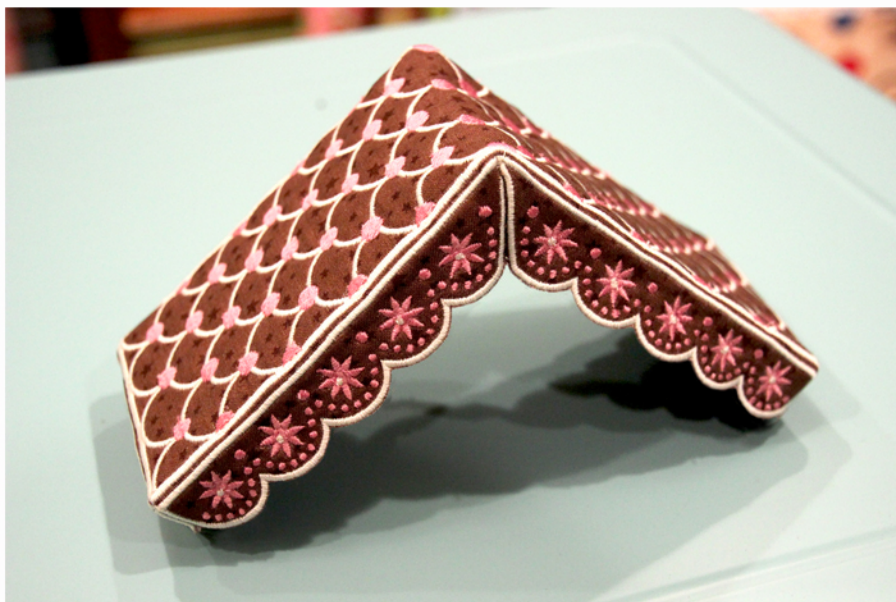


Fold roof in half at peak, (already folded in this photo) then stitch at red lines.

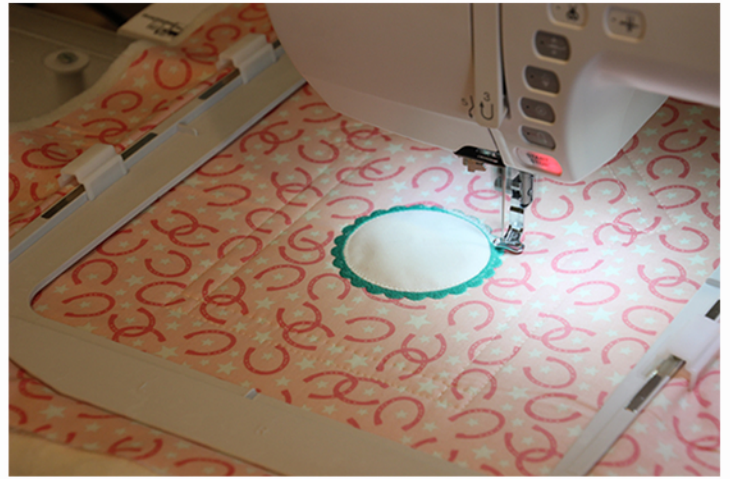
Step 4. Roof Sewing Assembly

After the roof design has been cut, bring adjacent corner triangles together on the reverse side of the roof, and stitch between the embroidered satin stitching. See photo diagrams above.

After all corners and the roof peak have been stitched, fold the roof right side out.



Applique Clock Face Placement



Step 5. Cut applique circle

We will cut the applique circle out of white fabric.

Hint: If your white fabric is somewhat transparent, you can line it with interfacing, or do a double layer of white fabric.

You have a few different options for cutting this 3 inch diameter circle:

Option 1: Cut it with a cutting machine like Janome's Artistic edge cutter. You can easily create a circle that is 3 inches in diameter with the cutting software that is included with your cutting machine. You will need to iron the white fabric onto stabilizer before sending it through the cutting machine. Fabric that is not stabilized will not cut properly with an electronic cutter.

Option 2: Cut a 3 inch diameter circle with scissors.

Option 3. Cut a 4 inch square, then trim the excess after the tack-down stitch has been made.

Set aside your clock face for use in the next steps.

Step 6. Placement Stitch and start Embroidery of clock front

Hoop your 18x22 inch clock face fabric in Janome Hoop GR. If you do not have this hoop skip to the brief alternate instructions for the clock face.

Load your Clock front design onto your Janome machine that is named:

SW-Cuckoo-Clock-Front-Hoop-GR (if not using this hoop, find the appropriate alternative design which is labeled with hoop size.)

Start the embroidery, and remove hoop from machine after the first white stitching sequence has been finished. This stitch sequence will stitch the outline of the clock, and the placement for your white fabric clock face.

Place the white fabric circle or square into the circle placement stitch, then reattach the hoop to the arm.

Continue the embroidery with white thread. This next sequence will tack-down your circle. If you opted to do the 4 inch square, you will want to trim the excess fabric at this point.

Thread your choice of aqua thread through the machine, and start the next sequence which will add a scalloped edge around your clock face.

Finishing Clock Front Embroidery and cutting out the clock



Step 7. Finish Embroidery Sequences

Continue changing the thread to the appropriate colors and finish out the embroidery sequences. Look how nice the clock is shaping up!



Step 8. Unhoop the design and cut

Once the clock front has been embroidered, Cut out the clock along the outer stitched lines. You will also want to snip out the center of the clock where the clock post will go through. This is finished off with a satin edge, but you may choose to add a grommet instead like the lower right photo.

Alternate Instruction for those with smaller hoops

Those using smaller hoops, there are several additional files that you can use to embroider the front of the clock. You will not have the outline of the clock stitched out for you in this instance, and will need to use the pattern piece and cut it out in the traditional way. Do this by centering the pattern on your embroidered design. Then pin the pattern to it, and cut around the pattern.

Cutting out the remaining pieces and zipper placement and Grommets



Step 9. Cut Out Remaining Clock pieces

If you haven't already done so, cut out the remaining pieces of the clock using the pattern pieces. You may choose to line your entire clock or use interfacing to give it harder edges, and if so, you'll need to cut the pattern pieces twice out of your chosen lining.

Step 10. Grommets

Mark the grommet holes on the bottom piece of the clock, according to the pattern piece. You may use grommets to finish the edge or use a large button hole stitch on your sewing machine to finish the edge and prevent fraying.

Step 11. Zipper Placement (you may use your favorite method, I will share mine.)

Layer the clock back pieces together with right sides facing.

diagram 1: Sew both sides together on the turnquoise line.

diagram 2: Open the sewn pieces up

diagram 3: Place zipper face down over the zipper placement zone, on reverse side of fabric at seam. Sew around the zipper as shown with white stitch marks.

Then stationary zig-zag stitch the stopping points of the zipper. Note, I forgot to set my zig stitch stationary in my photo above. Do as I say, not as I do.

Finish the zipper by picking out the stitches between your tack points where the zipper is to open.

diagram 1

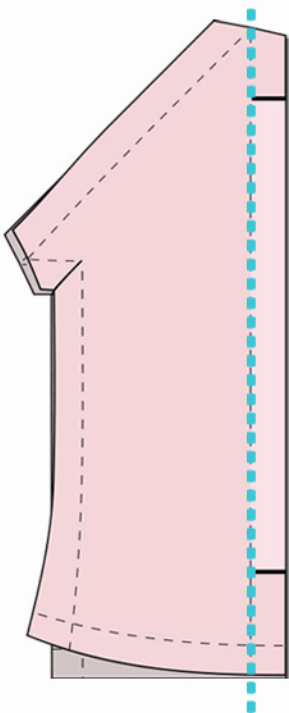


diagram 2

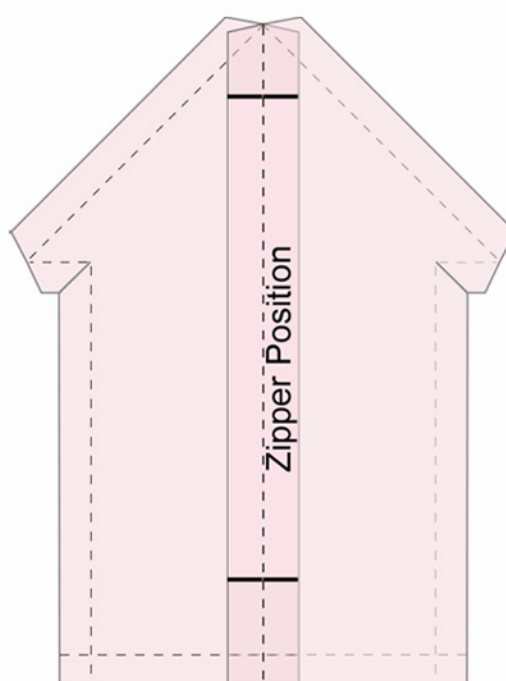
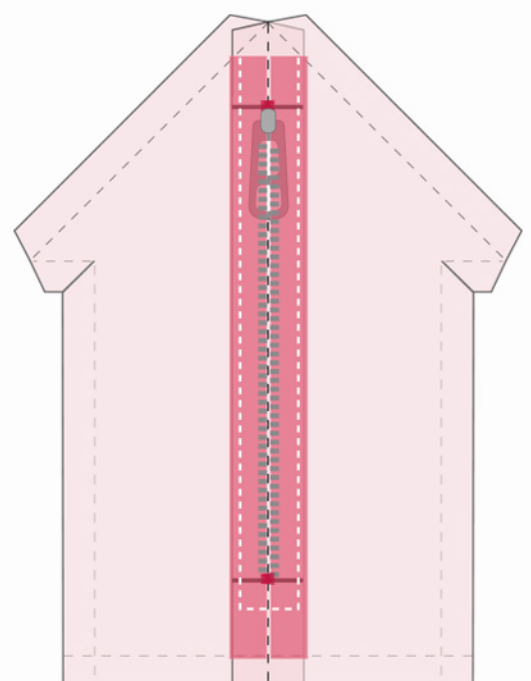
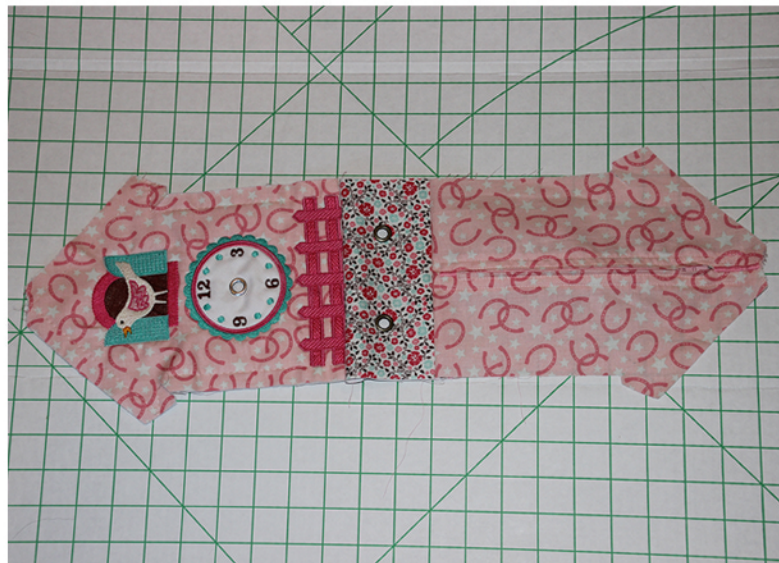


diagram 3



Sewing the Clock together



Step 12: Sew Bottom to Back and front using a 1/2 inch seam allowance

Place the bottom piece at the lower edge of the back clock piece right sides facing. Sew the bottom to the back piece leaving a 1/2 inch unsewn at both ends. See the first photo for red stop and start points. Repeat steps to sew the front to the bottom.

Your clock will now look like the second photo.



Step 13: Sew Sides starting at the Roofline

Align one of the 4x13 inch fabric strips to the slant of the roof, then sew together. See photo above for red stop and start points.

We will snip the side fabric so it can turn the corner in the next step.

Snipping the corners to allow turns



Step 14: Snipping at bottom of roofline

After your strip is sewn to the roofline, you will need to snip at the bottom of the roofline, to allow for the turn, as shown in the photo above.



Step 15: Snipping for next turn

Now flip the fabric over, and then fold the strip parallel across the back of clock, so that the edge lines up with the eaves of both rooflines. See turquoise line in the right photo above.

Then snip the strip at the same place it is snipped on the back of the clock.

Sewing around the Roof Corners



Step 16: Turning 1st Roof corner

Place the strip parallel across the back of the clock piece as shown so that it aligns with the eaves of both rooflines as shown. The second snip on the strip should also line up with the snip in the back of the clock. Sew the short distance to turn the corner until you reach that second snip. (see red dot on right photo above for stopping point.)



Step 17: Turning 2nd roof corner

Align the long edge of the strip with the edge of the back of the clock piece as shown in first photo. Stitch all the way down until you meet the place where you stopped the stitches at the bottom of the clock.

Step 18: Attaching side to bottom

This should leave 1/2 inch unsewn where you will now be able to align the bottom and the side to join those edges. Your strip may have excess that needs to be trimmed.

Step 19: Attaching second side

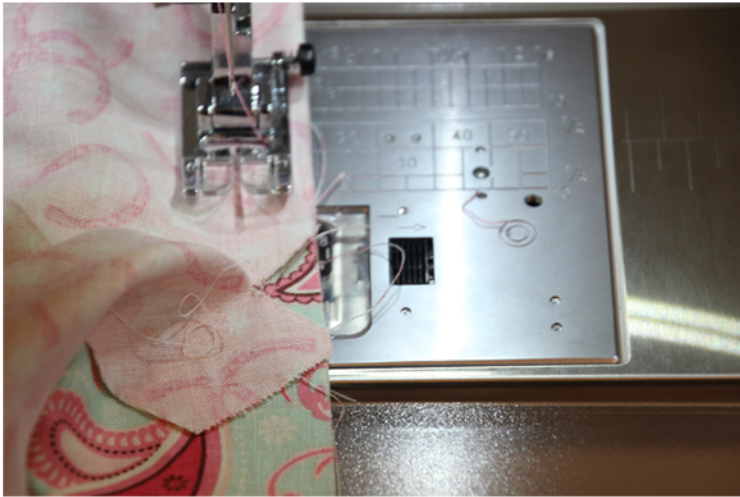
Repeat steps 13-18 with the opposing 4x13 inch side piece.

Step 20: Attaching the Front

Repeat steps 13-18 attaching the front of the clock to the sides.

See additional pictures on the following page for additional views of these steps. They may be helpful.

Additional photos of joining sides to front and back



Joining the Roof Peak then turning right side out

Step 21: Sewing roof peak

After the front and back are sewn to the sides you are left with the roof peak being undone. Before you join these together, Make sure that your zipper is at least partially down so that you can easily turn the clock right side out when all sides are joined.



Step 22: Turn clock right side out through the zipper, then thread pom-pom trim through grommets at the bottom.

Creating the Pinecone weights



Step 23: cut 10 of the pinecone weight pattern pieces. You will use 5 for each side of the pinecone weight.

Step 24: Sew each side to the next side, starting at the mid point on the bottom, then almost all the way to the top of the pinecone. Keep adding pieces until you come full circle. You will need to leave a little bit of the top open in order to stuff and thread the pom pom trim into the weight.
(please ignore the picture with the open side below, I determined stuffing from the top and sewing the top of the weight is the easiet way to do this step.)



Step 25: Through the top open hole, Stuff the pinecone weights with a few tablespoons of rice and the rest with polyester fiber fill.

Step 26: Thread the pom pom trim into the pinecone weight then Hand stitch the top closed making sure to catch the trim into your stitches.



Creating a Pocket Sleeve for the Clock



Step 27: Measuring for the pocket sleeve

You will need to cover your clock workings so that Poly-Fil doesn't tangle with the clock gear. Most clock kits are about 2 1/2 inches square. There is not a pattern for this piece. You will need to measure your clock kit and cut a strip of fabric that is 2 inches wider than your clock. Then wrap the strip around the clock like you are wrapping a present, and add an additional 4 inches to find your length.

Step 28: Hemming the ends

Fold the ends of the strip twice to make a neat edge. Sew ends down.

Step 29: Fold the strip around so that the ends overlap and the right side of the fabric is inside, Now stitch the sides closed. Fold the pocket right side out.



Step 30: Put the clock kit inside the clock with the post threading through the center of the hole on the front of the clock. Screw it on using the nut provided with clock kit.

Step 31: Put the pocket sleeve over the back of the clock.

Step 32: Stuff with polyester fiber fill. Add 1 cup of dry rice to weight the bottom if you wish to be able to sit your clock on a shelf. You may opt to add a hanging loop to the back should you wish to hang your clock.

Step 33: Attach the roof either by hand stitching or sew velcro to the underside of the roof and the top of the clock.

Step 34: Follow the assembly instructions of your clock kit to attach the clock hands and set the time on your clock.