How to Use the Port Authority® Mask Kit
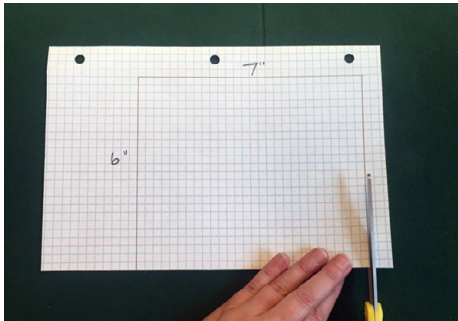
These instructions are for sewing face masks using the Port Authority® Mask Kit. These masks are not recommended for use in a surgical setting or where significant exposure to liquid bodily or other hazardous fluids may be expected, but may be used for additional face protection when FDA-cleared masks are unavailable.

One kit includes materials to construct 50 two-ply pleated masks with elastic head straps:
- 100% Cotton Jersey Fabric Yardage (44" x 110")
- Length of Elastic (About 1300")

What you'll need:
- 1 Sheet of Paper
- Scissors
- Straight Pins
- Sewing Machine
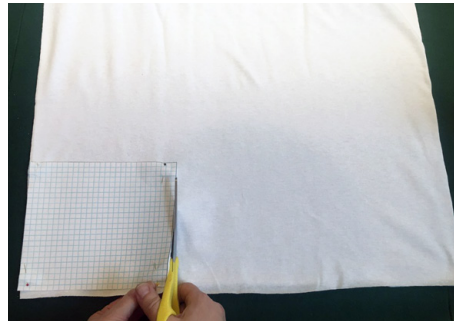- Tape Measure/Ruler
- Sewing Thread

How to make a mask:

1

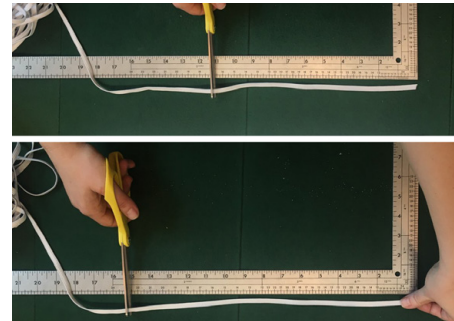Cut a 7"x6" paper rectangle to use as a pattern.

2

Using this pattern, cut the fabric yardage into (100) 7"x6" panels.
- The 7" side of the pattern should be aligned with the 44" side of the fabric yardage.
- There will be some fabric left over.

3

Cut the elastic into the sizes you will need:
- (50) 11-inch pieces
- (50) 15-inch pieces

4

Place one fabric panel right side up and secure one of each size of elastic to the panel corners with a reverse stitch or back tack.
- The mask is initially sewn inside-out to create a clean finish in the final product.
- Elastic straps should run the full length of the fabric panel.

5

Gather excess elastic in the center of the panel.
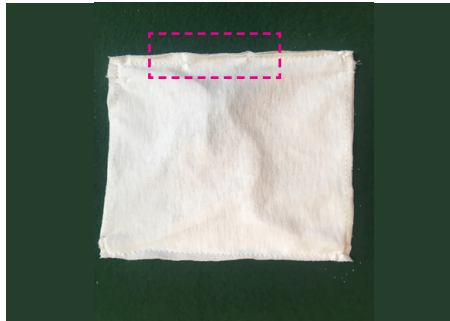
- This will be pulled out in Step 8.

6

Place the second fabric panel over the first one, right side down and with all edges aligned.

- Use straight pins to secure the corners in place.
- Tip: Amateur sewers may want to pin the entire perimeter of the fabric to hold panels in place.

7

Add a single-needle edge stitch along the fabric edge, leaving a 1.5" opening.

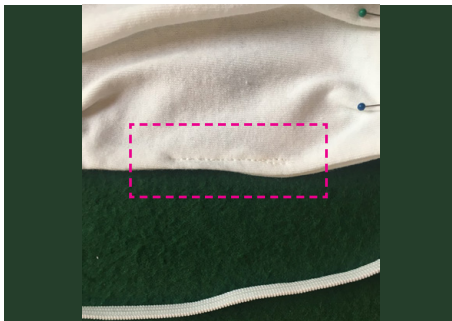- For better reinforcement, reverse stitch over the elastic straps.

8

Turn the mask inside-out, using the opening you left in the edge stitch.

9

Lightly tug on all four straps and smooth the fabric with your hand until the mask lies flat.

10

Sew the 1.5" opening closed with a single-needle stitch.
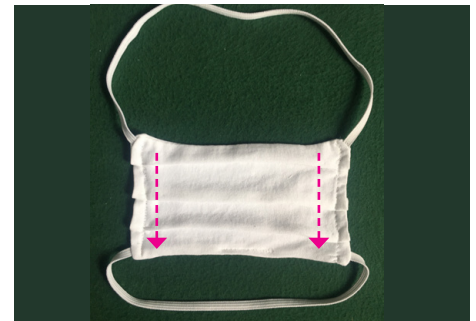
11

Form three small, evenly-placed pleats along each side of the mask.

- Pin these in place if needed.

12

Add a single-needle stitch along each side seam to secure pleats.

- Sew in the direction of the pleats.
- For better reinforcement, reverse stitch over each pleat.

Your mask is complete! Go back to step 4 to start the next one.

View an instructional video by clicking this link.

Finished measurements: ▪ 14.5" upper strap ▪ 10.5" lower strap ▪ Mask fabric: 6.75" x 3.5"