

Blast Off Quilt and Pillowcases!



In The Beginning *fabrics*

Finished Block Size: 12" x 12"
 Finished Quilt Size: 78" x 90"
 Finished Pillowcase Size: 20" x 30"

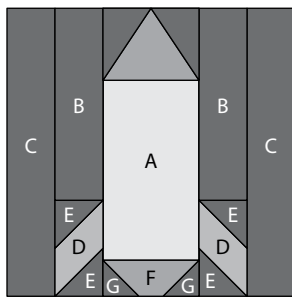
Yardage requirements are based on 40" fabric width.

Quilt Materials

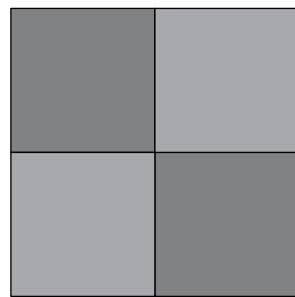
- 7/8 yd. Blue Countdown (5RS1) for alternate blocks
- 7/8 yd. Gray Countdown (5RS2) for alternate blocks
- 1 3/8 yds. Red/Blue Large Rockets (1RS1) for fourpatch blocks and binding
- 3/4 yd. Blue/Black Planets (4RS1) for fourpatch blocks
- 1/2 yd. Green/Red Large Rockets (1RS3) for rocket blocks
- 1/4 yd. Blue Space Facts (7RS1) for rocket blocks
- 1/4 yd. Gray Space Facts (7RS2) for rocket blocks
- 5/8 yd. Green Space Facts (7RS4) for rocket blocks
- 1/2 yd. Blue Circles (3RS1) for rocket blocks
- 1/4 yd. Gray Circles (3RS2) for rocket blocks
- 2 1/4 yds. Black/White Dots (8RS1) rocket blocks
- 2 1/2 yds. Gray Planet Stripe (2RS2) for inner border
- 2 1/2 yds. Blue/Gray Large Rockets (1RS2) for outer border
- 7 5/8 yds. for backing (widthwise seams)

Pillowcase Materials

- 1 1/3 yds. Small Rockets (6RS-1, -2, or -3) for 1 pillowcase



Rocket block



Fourpatch block

Quilt Cutting

Cut strips across width of fabric, unless otherwise instructed.

From Blue Countdown, cut:

- ✦ 4 squares, 12 1/2" x 12 1/2", for alternate squares

From Gray Countdown, cut:

- ✦ 4 squares, 12 1/2" x 12 1/2", for alternate squares

From Red/Blue Large Rockets, cut:

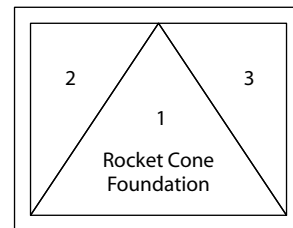
- ✦ 9 strips, 2 1/2" x 40", for double-fold binding
- ✦ 14 squares, 6 1/2" x 6 1/2", for fourpatch blocks

From Blue/Black Planets, cut:

- ✦ 14 squares, 6 1/2" x 6 1/2", for fourpatch blocks

From Green/Red Large Rockets, Blue Space Facts, Gray Space Facts, Green Space Facts, Blue Circles, and Gray Circles cut a total of:

- ✦ 15 rectangles, 4 1/2" x 8", for rectangle A (Note: some of the rectangles in the sample quilt were cut lengthwise.)
- ✦ 15 rectangles, 4" x 5" (These will be used for foundation piecing the #1 space on the Rocket Cone foundation.)
- ✦ 30 rectangles, 2 1/2" x 4 1/2", for piece D (A stitch-and-flip technique will be used.)
- ✦ 15 rectangles, 2" x 4 1/2", for piece F (A stitch-and-flip technique will be used.)



(Full size foundation is on back page.)

From Black/White Dots, cut:

- ✦ 30 rectangles, 2 1/2" x 12 1/2", for rectangle C
- ✦ 30 rectangles, 2 1/2" x 8 1/2", for rectangle B
- ✦ 30 rectangles, 3" x 4" (These will be used for foundation piecing the #2 and #3 spaces on the Rocket Cone foundation.)
- ✦ 60 squares, 2 1/2" x 2 1/2", for piece E (A stitch-and-flip technique will be used.)
- ✦ 30 squares, 2" x 2", for piece G (A stitch-and-flip technique will be used.)

From Gray Planet Stripe, selectively cut:

- ✦ 4 strips, 3 1/4" x length of fabric, for inner border (Refer to quilt photograph to see portion of design that is needed for borders, and selectively cut your borders accordingly. Length is generous to allow for mitered borders.)

From Blue/Gray Large Rockets, cut:

- ✦ 4 strips, 6 1/2" x length of fabric, for outer border (Strips are cut long, and will be trimmed to size later.)

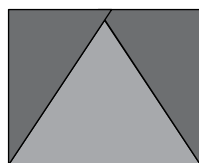
From assorted leftover prints, cut:

- ✦ approximately 14 circles (Use a compass, or trace around any round object, to make various-sized circles to be appliquéd to quilt top. If using a hand appliquéd technique, be sure to allow for seam allowance when cutting out your circles. If using a fusible appliquéd technique, no seam allowance is necessary.)

Quilt Block Assembly

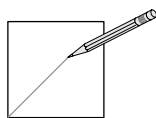
Previous foundation piecing experience is recommended. All seams $\frac{1}{4}$ ". Press seams in direction of arrows unless otherwise instructed.

1. Make 15 photocopies of Rocket Cone Foundation.
2. Arrange stacks of all the pieces that, in the Quilt Cutting instructions, are designated for foundation piecing. These stacks will include assorted-print 4" x 5" rectangles, and Black/White Dots 3" x 4" rectangles.
3. Referring to quilt photograph for fabric placement, and using fabrics from Step 2 above, foundation piece 15 Rocket Cone units.

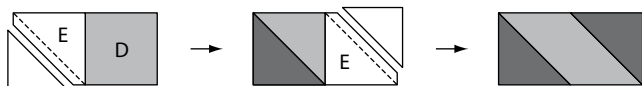


Make 15.

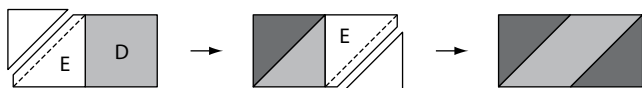
4. Using a pencil, draw a diagonal line, from corner to corner, on the wrong side of 60 Black/White Dots 2½" E squares.



5. With right sides together, place one of the marked E squares on one side of an assorted-print 2½" x 4½" D rectangle. Sew on the drawn line. Trim as shown, leaving a ¼" seam allowance. Press seam toward triangle. Repeat technique on opposite side of D rectangle to complete a Rocket Fin unit.



Repeating technique, assemble a mirror-image Rocket Fin unit, making sure to use the same print for the 2½" x 4½" D rectangle as used for the first Rocket Fin unit. Be careful to orient the 2½" E squares as shown.



Make a total of 15 Rocket Fin units, and 15 mirror-image Rocket Fin units.

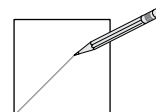


Make 15.

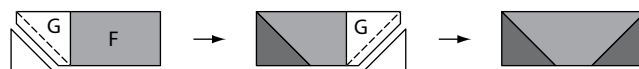


Make 15.

6. Using a pencil, draw a diagonal line, from corner to corner, on the wrong side of 30 Black/White Dots 2" G squares.

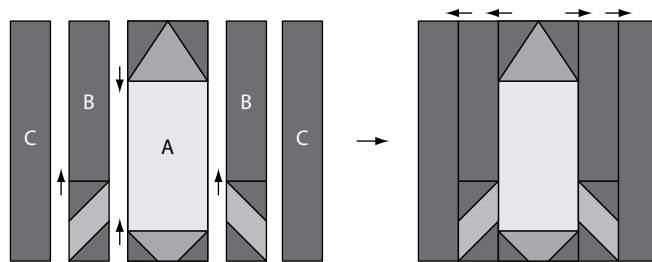


7. With right sides together, place one of the marked G squares on one side of an assorted-print 2" x 4½" F rectangle. Sew on the drawn line. Trim as shown, leaving a ¼" seam allowance. Press seam toward triangle. Repeat technique on opposite side of F rectangle to complete a Rocket Base unit. Repeat to make a total of 15 units.



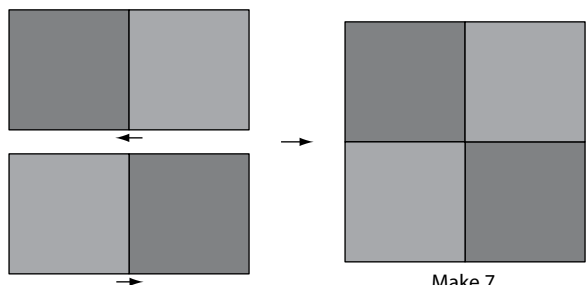
Make 15.

8. Using 1 Rocket Cone unit, 1 Rocket Fin unit, 1 mirror-image Rocket Fin unit, 1 Rocket Base unit, 1 assorted-print 4½" x 8" A rectangle, 2 Black/White Dots 2½" x 8½" B rectangles, and 2 Black/White Dots 2½" x 12½" C rectangles, assemble a Rocket block as shown. Repeat to make a total of 15 blocks.



Make 15.

9. Using 2 Red/Blue Large Rockets 6½" squares, and 2 Blue/Black Planets 6½" squares, assemble a Fourpatch block as shown. Repeat to make a total of 7 blocks.



Make 7.

Quilt Top Assembly

1. Sew Rocket blocks, Fourpatch blocks, Blue Countdown 12½" squares, and Gray Countdown 12½" squares together in horizontal rows as shown in the Quilt Assembly Diagram on back page. Press seams toward Rocket blocks.

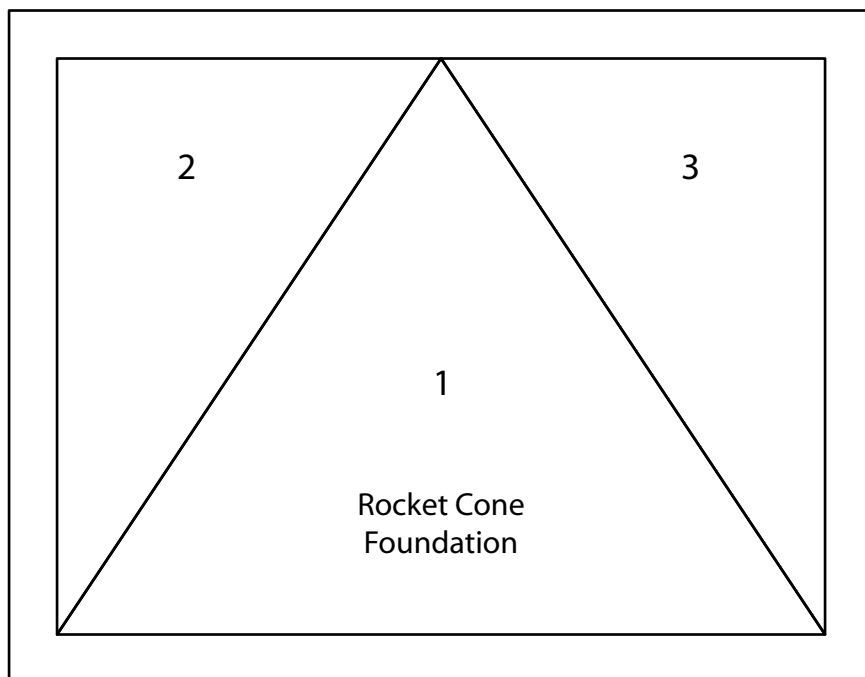
2. Sew horizontal rows together. Press seams in one direction.

Quilt Borders

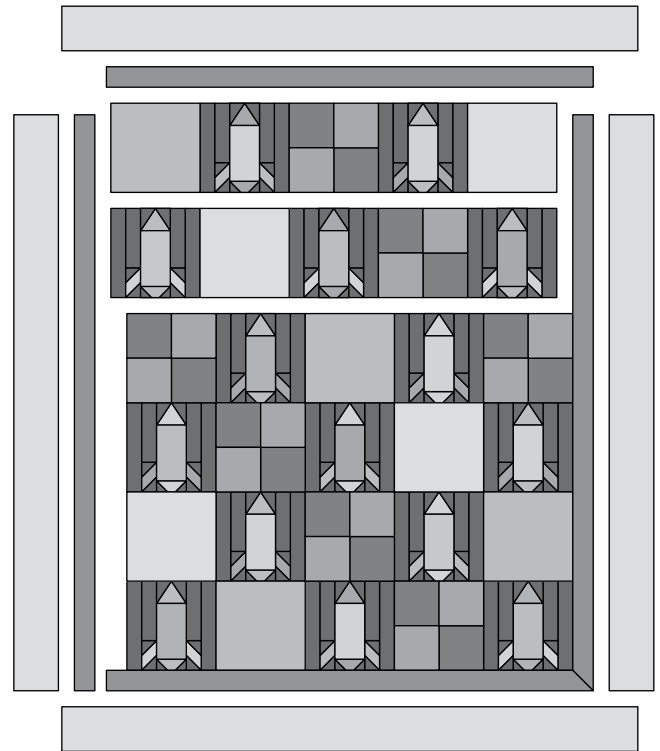
1. With right sides together, pin 2 Gray Planet Stripe inner border strips to sides of quilt top (border strips should extend approximately equally beyond top and bottom of quilt; it's easiest if you start pinning at the center of border and work outward). Sew, beginning and ending $\frac{1}{4}$ " from raw edges of quilt top. Backstitch to secure. Press seams toward borders.
2. Repeat Step 1, this time sewing Gray Planet Stripe inner border strips to top and bottom of quilt top. Start and stop your seams at the point where the side borders join the quilt top. Backstitch to secure. Press seams toward borders.
3. Miter corners using your favorite technique.
4. Measure length of quilt top through center. Trim 2 Blue/Gray Large Rockets outer border strips to this measurement, and sew to sides of quilt. Press seams toward outer border.
5. Measure width of quilt top, including borders just added, through center. Trim remaining 2 Blue/Gray Large Rockets outer border strips to this measurement, and sew to top and bottom of quilt. Press seams toward outer border.

Quilt Finishing

1. Arrange assorted-print circles on quilt top and, using favorite appliqué method, sew into place.



2. Layer quilt top, batting, and backing. Quilt as desired. Bind. Don't forget to sign and date your finished quilt.



Quilt Assembly Diagram

Pillowcase Cutting

From Small Rockets, cut:

- ✦ 1 rectangle, $31\frac{1}{2}$ " x $41\frac{1}{2}$ ", for 1 pillowcase (Cut rectangle lengthwise, so that the $41\frac{1}{2}$ " measurement is running the length [parallel to the selvage] of your fabric.)

Pillowcase Assembly

1. On your $31\frac{1}{2}$ " x $41\frac{1}{2}$ " rectangle, press the $41\frac{1}{2}$ "-long Rocket Stripe edge under $\frac{1}{4}$ ", then turn under again $\frac{3}{8}$ ", and stitch $\frac{1}{4}$ " from edge. This will form the hem of the pillowcase opening.
2. To finish the pillowcase with a French seam, fold pillowcase in half with *wrong* sides together. Stitch end and side of case, using a $\frac{1}{4}$ " seam.
3. Turn pillowcase, right sides together, and sew a $\frac{3}{8}$ " seam to cover raw edges of seam sewn in Step 2. Turn case right side out and press.

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