

Grandpa's Quilt  
by Betsy Franco

Parts of the Lesson	Materials Needed
<p>I. Pre-activity Punch out the red and yellow squares. Make your own design, or see if you can form the star &amp; diamond (Funbook p23)</p>	<p>I.Pre-activity 1. The red and yellow quilt square <u>punchouts</u>. <u>Photocopies of page 23</u>, one per child.</p>
<p>II. Read the Book (Talking points) (See teacher notes in Funbook. You may want to model the story by using large red and yellow squares as shown on page 24. Have children notice the dimensions. How big is the star quilt? (6 by 6, or 36 squares in all) How big is it when they make the diamond? (still 6 by 6) In the end it is 9 by 4, a different shape (a long rectangle), but it still has 36 squares!</p>	<p>II. Read the Book. You will need at least one copy of <u>the book</u>. If you decide to model the story, you will need <u>36 large squares</u>: 4 red, 24 yellow, and 8 half&amp;halves. (As you model the story, comment about how difficult it is to "rotate" the squares to make the desired design. Let children know that this is hard for adults, too!)</p>
<p>III. Do the Math (Activities). <u>Activity 1</u>: Funbook page 25: Which designs can you make with your punchouts? Draw a circle around the ones you made successfully. (An easier task is to make several 3x3 grids and have kids draw the designs instead of using the quilt pieces.) <u>Activity 2</u>: Make your own quilt design. Glue down the pieces. How big is your quilt? "It's 5 by 5. 25 squares in all." <u>Activity 3</u>: Quilt sampler- Color the 3x3 or 4x4 quilt designs worksheets. Or draw and color enlargements of these squares, cut them out, and mount on large colored paper.</p>	<p>III. Do the Math. 1. Have children use the same <u>punchouts</u> as in pre-activity. Make <u>photocopies of page 25</u>, for each child. Alternatively, make <u>photocopies of 3x3 grids</u> so children can draw instead of using punchouts. 2. <u>Gluesticks</u> to glue down the punchouts to make quilt designs. (Encourage kids to make arrays of varying dimensions.) 3. <u>Photocopies of 3x3 and 4x4 quilt sampler designs</u>, and <u>copies of the 3x3 and 4x4 grids</u> with one-inch squares (in appendix). <u>Crayons, markers, gluesticks</u>.</p>
<p>IV. Wrap Up (Debrief) Be sure to have children tell dimensions of the quilts they designed, and the total number of squares. (Area!)</p>	<p>IV, Wrap Up Keep extra punchouts and grids at a center, and encourage children to do more of activities 2 and 3.</p>