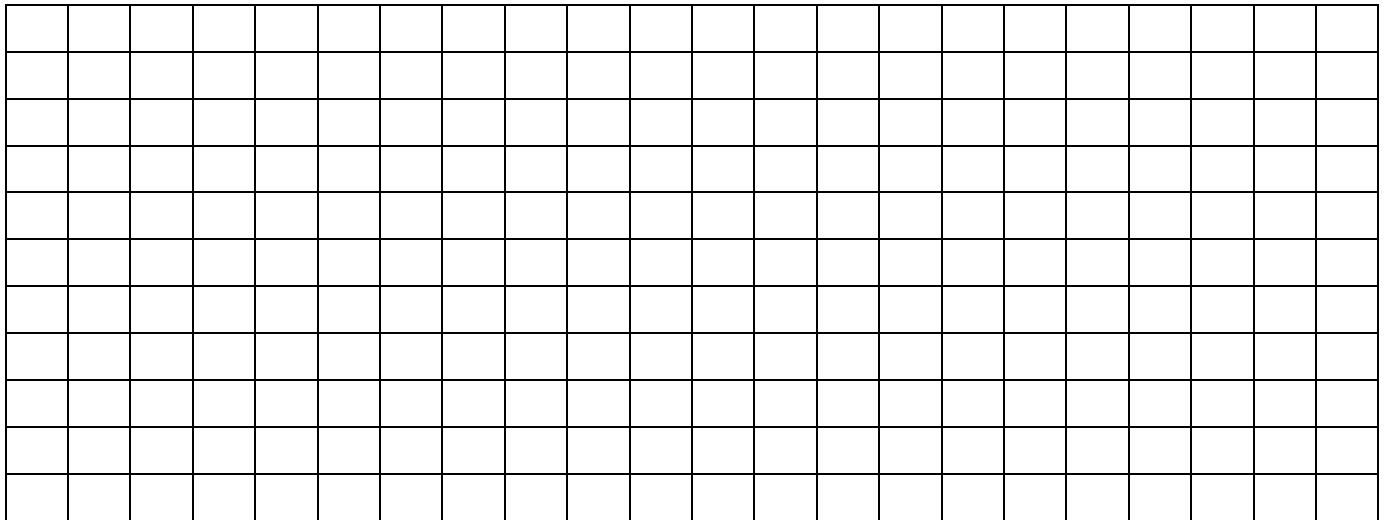


Fourth Grade Topic 15 Performance Task

Name: _____

Suppose you are going to design a small quilt using squares and rectangles. You want to use three different colors of fabric for the quilt. You need to find out how much of each fabric you need.

1. Use the grid paper below to design your quilt. Each square in the grid will represent a one-inch square of the quilt. The quilt should be no larger than 20 inches long and 10 inches wide.



2. What is the perimeter of your quilt? _____
3. What is the total area of your quilt? _____
4. Make a table listing the pieces of each color fabric you will need for your quilt, the dimensions of each piece, and the total area for all of the pieces of each shape. Use the headings and space below.

Shape	Color	Number of Pieces	Dimensions	Total Area
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5. What is the total amount of fabric that you need for each color?

6. How do you know that the design you have drawn and the dimensions of the pieces in the design will fit the overall size of the quilt?
