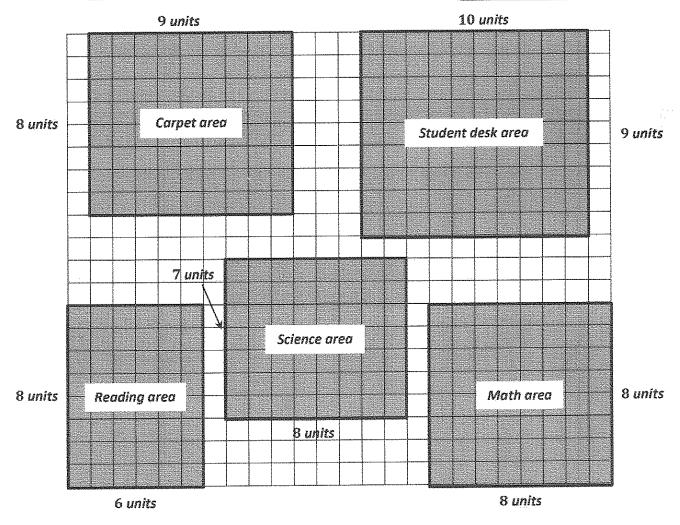# G3-M4-Lesson 16

Mrs. Harris designs her dream classroom on grid paper. The chart shows how much space she gives for each rectangular area. Use the information in the chart to draw and label a possible design for Mrs. Harris's classroom.

Reading area	48 square units	6×8
Carpet area	72 square units	9×8
Student desk area	90 square units	10×9
Science area	56 square units	7×8
Math area	64 square units	8×8

I can think of multiplication facts that equal each area. Then I can use the multiplication facts as the side lengths of each rectangular area. I can use the grid to help me draw each rectangular area.

9 units

10 units

8 units — Carpet area

Student desk area — 9 units

7 units

Science area

8 units — Reading area

8 units

Math area — 8 units

6 units

8 units

8 units

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Lesson 16: Apply knowledge of area to determine areas of rooms in a given floor plan.

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