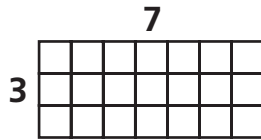


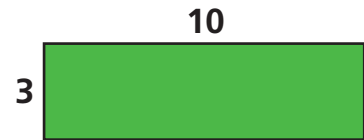
Connecting Perimeter and Area

NCTM Standards 1, 2, 6, 7, 8, 9, 10

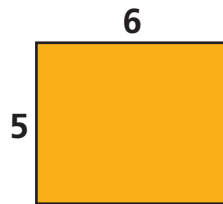
1

perimeter area

2

perimeter area

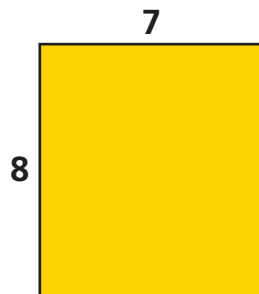
3

perimeter area

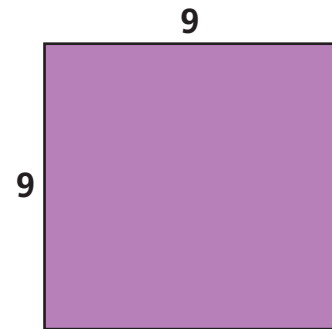
4

perimeter area

5

perimeter area

6

perimeter area

Quinlan's Quilt Shop sold a quilt that was 5 feet wide and 7 feet long.



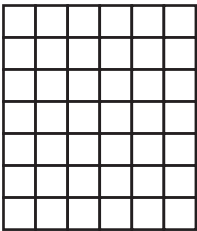
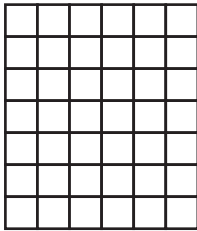
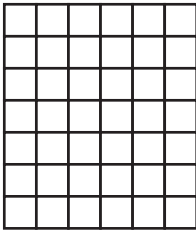
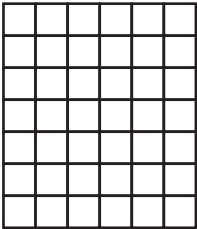
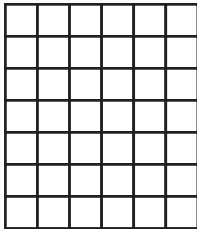
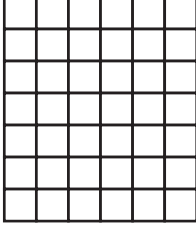
7 What was the perimeter of the quilt? How did you find the answer?

8 The quilt was made out of squares whose sides were 1 foot long. How many squares were in the quilt? _____

9 What was the area of the quilt? _____

For each column in the table, draw a figure with the given area or perimeter. The figure does not have to be a rectangle. Fill in the rest of the table based on the figures you drew.

	10	11	12	13	14	15
area	12	12				15
perimeter			16	18	20	16

10		11		12	
13		14		15	

Challenge Kathleen has 28 meters of wire fence to put around her garden.

16 What is the largest rectangular area she can enclose inside the fence? _____

17 What would be the length and width of her garden? _____