

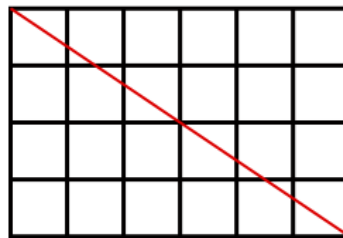
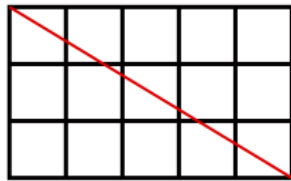
Puzzle of the Week

Crossing Lines

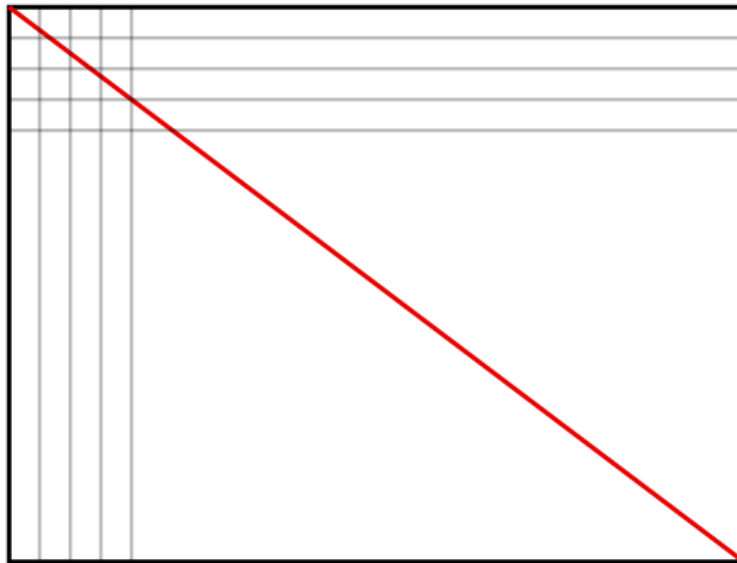
These two rectangles have been cut in half using a red line.

In the 3 by 5 rectangle: the red line crosses 6 sides of small squares. Check to see you agree!

In the 4 by 6 rectangle: the red line also crosses 6 sides of small squares. (We're not counting the place where the line goes through the corner of a square.)



THE CHALLENGE: Here's a 36 by 42 rectangle that's been cut in half by a red line. How many sides of small squares will the red line cross?



EXPLORATION: What happens for rectangles of other sizes? What patterns do you see?