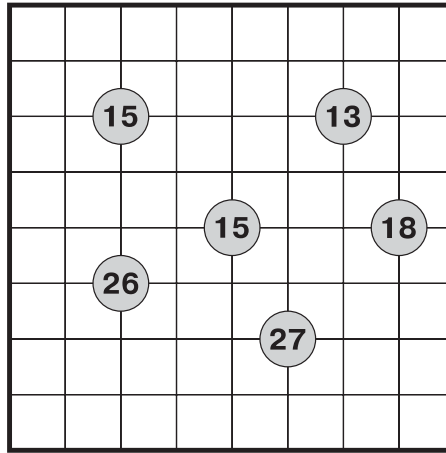
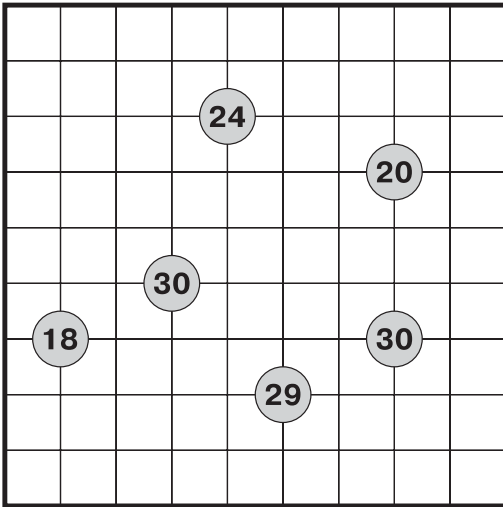
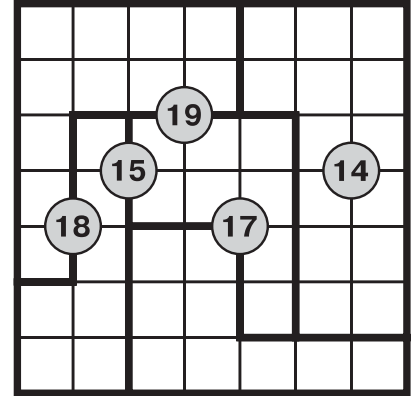


21. Cornerless

8 + 7



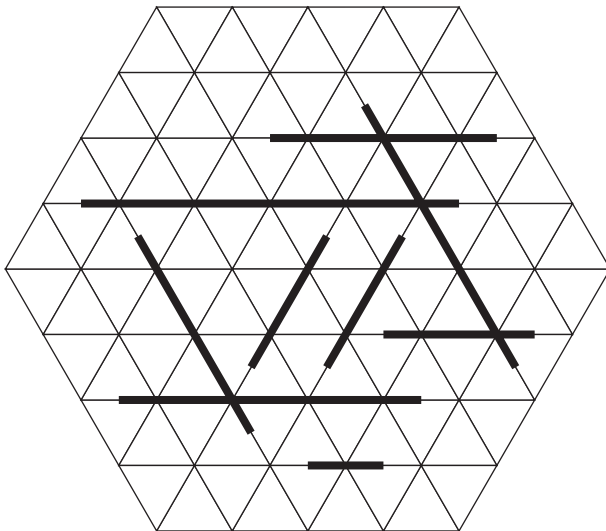
Example:



Divide the table into some "cornerless rectangles" (each figure is a rectangle without one corner, also of a rectangle shape, see an example). Area of all these figures must be different. Numbers show the sum of areas of all figures, at least touching these numbers. *Answer key: describe the content of the lower-left upper-right diagonal in order, replacing cells with the areas of corresponding figures. For example the answer should be: 7, 7, 9, 8, 8, 14, 14.*

22. Crossings

7



Add to the grid one more set of lines, exactly the same as already placed. Lines must not overlap each other or touch each other by the edges. In each grid node where lines present, exactly two lines must cross. Lines of the same size cannot cross. *Answer key: describe all the crossings of added lines, writing their sizes, row by row, from top to bottom. Rows with no such crossings describe as "X". For example the answer should be: X; 34, 23; X; X; X.*

Example:

