Number Cross Sums

Darken or cross out some of the numbers in the grid below so that the numbers remaining add up to the values in red at the right and bottom of the grid.

4	1	2	3	7	5	11
5	6	6	7	3	8	20
1	3	8	6	4	2	17
2	1	9	6	9	4	28
3	2	2	9	6	4	13
9	1	6	4	6	1	17
12	13	27	9	25	20	