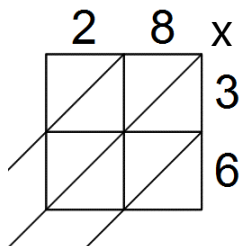


MJN-Den Arabiske Multiplikation (Gitter-Multiplikation):

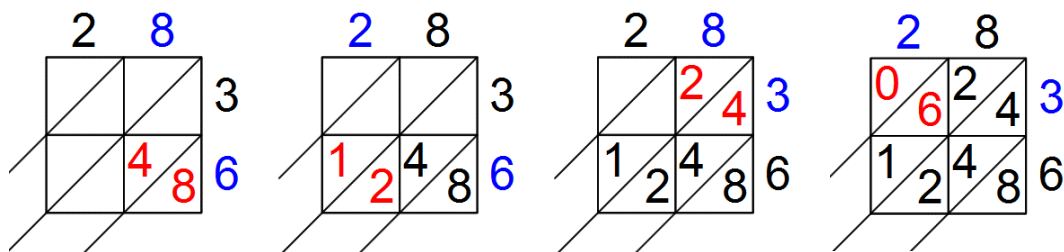
STEP 1

For at multiplicere vha. den arabiske metode tegnes et gitter med kvadrater el. rektangler afhængigt af antal cifre. Derefter tegnes diagonale linjer i gitteret. Skriv tallene som skal multipliceres.



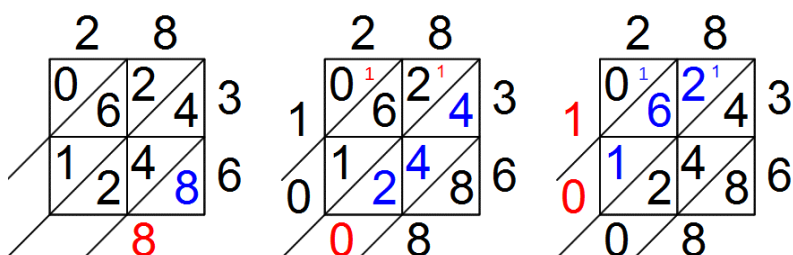
STEP 2

Multipliser kolonnerne med rækkerne og opdel produkterne på hver side af diagonalen.



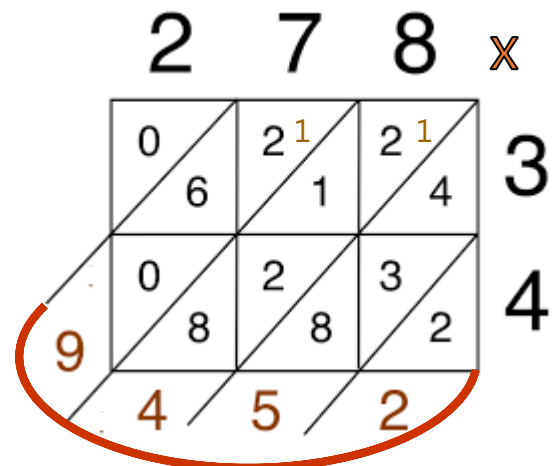
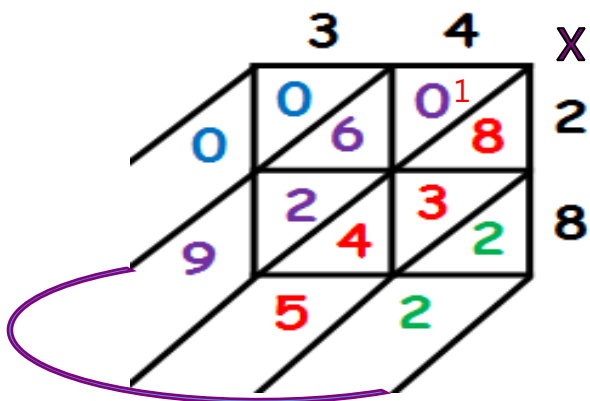
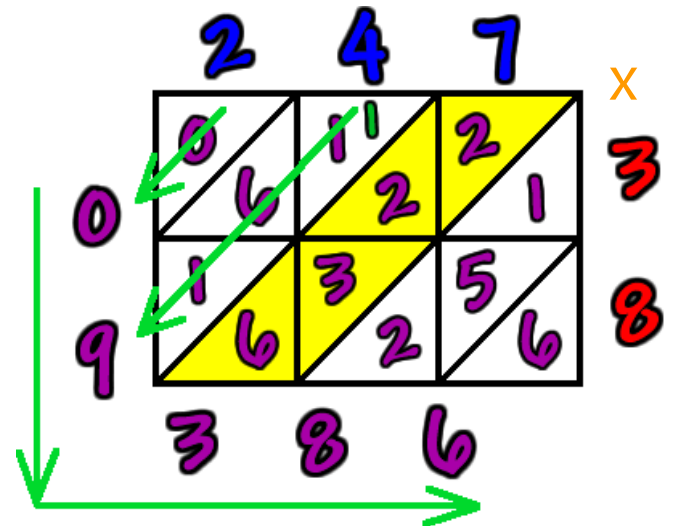
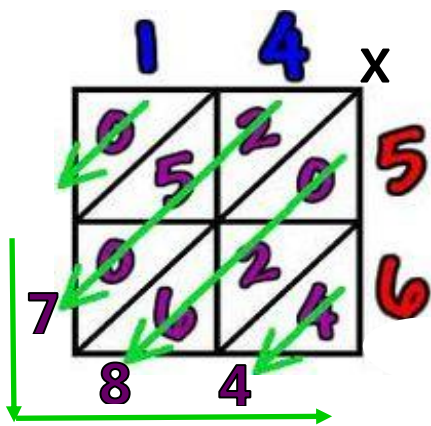
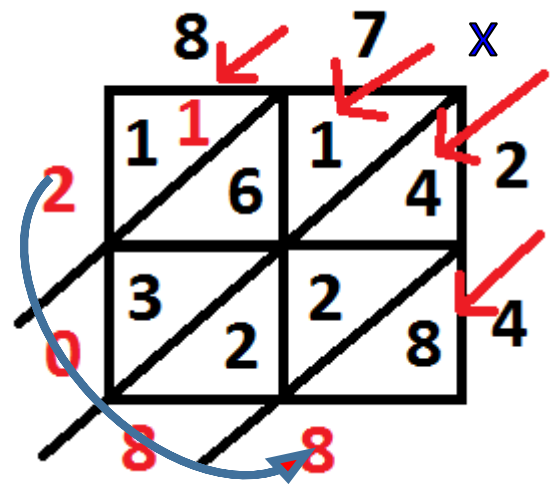
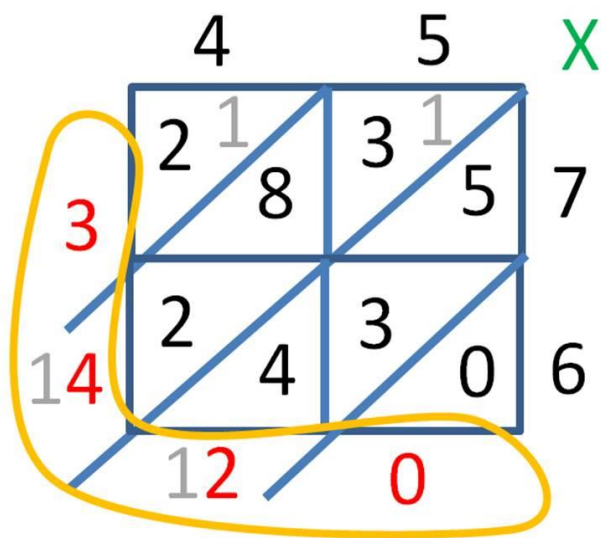
STEP 3

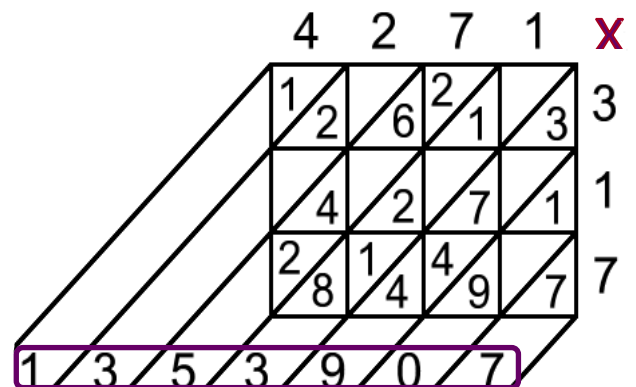
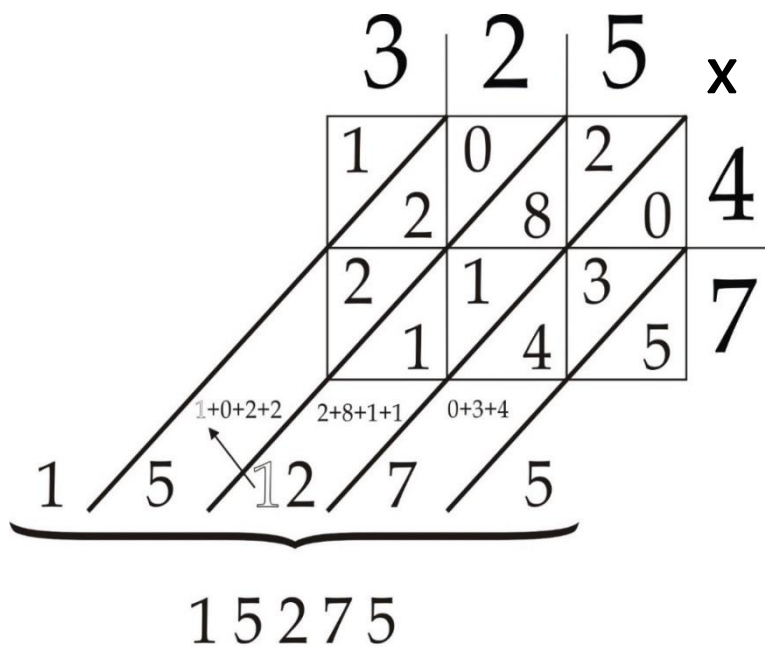
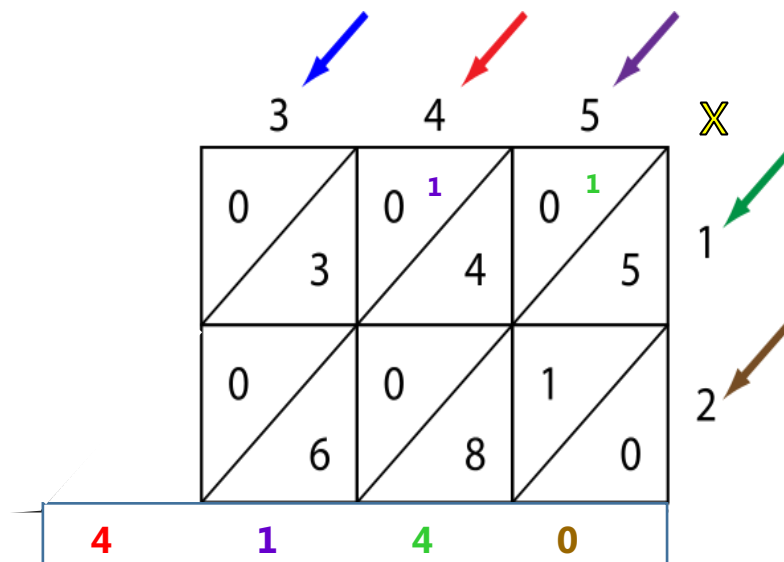
Endelig lægges tallene sammen langs diagonalerne og svaret opnås.



Svaret: $28 \times 36 = 1008$

Eksempler:





	3	2	7	X
1	1	1	3	5
9	5	0	5	8
1	2	1	5	6
	4	6	6	
	1	1	4	6
	8	2	2	
	6	2	2	

	3	4	5	
X	1	1	2	
4	2	6	0	
3		1	1	
	9	2	5	
7	2	2	3	
	1	8	5	
	1	5	0	
	7	6	5	

	2	3	1	4	X
0	0	0	10	10	1
3	1	1	0	2	5
6	1	2	0	2	7
	4	1	7	8	
	3	2	9	8	

Eksempel på multiplikation af romertal:

Romertal var svært at *skrive* og de optager meget plads, især til at foretage *beregninger af fire regningsarter*.

Ved beregning af 123 x 11 på romertal er:

CXXIII x XI

= (CxX + CxI) + (XxX + XxI) + (XxX + XxI) + (IxX + IxI) + (IxX + IxI) + (IxX + IxI)

= (M + C) + (C + X) + (C + X) + (X + I) + (X + I) + (X + I)

= MCCXCXXIXIXI

= MCCCXXXXXIII

= MCCCLIII

= 1353