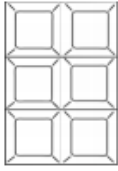


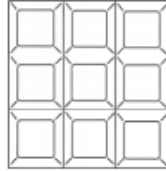


Max really likes chocolate. Dark chocolate squares are his favourite.

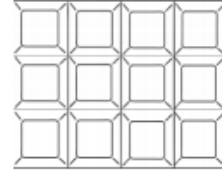
Max makes a growing pattern with chocolate squares.



6 squares



9 squares



12 squares

If the pattern continues, how many squares would Max use to make patterns 4 and 5? Fill in the table below:

Pattern	1	2	3	4	5
No. of squares	6	9	12	15	18

Danika has a box of assorted chocolates. There are 24 chocolates in all.

- hazelnut    - chocolate orange    - white chocolate    - caramel

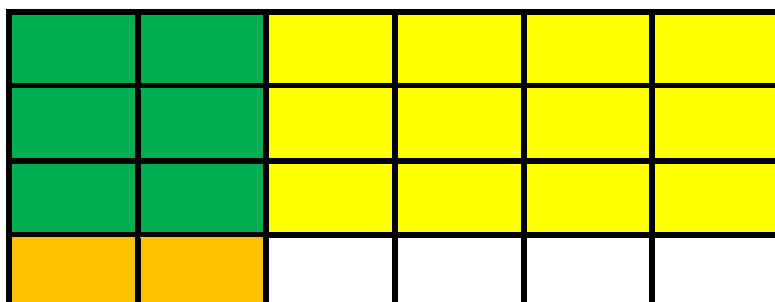
Colour the squares in the grid below to represent the number of each type of chocolate.

hazelnut → green,

chocolate orange → orange,

caramel → yellow,

white chocolate → white



## The chocolate gift box

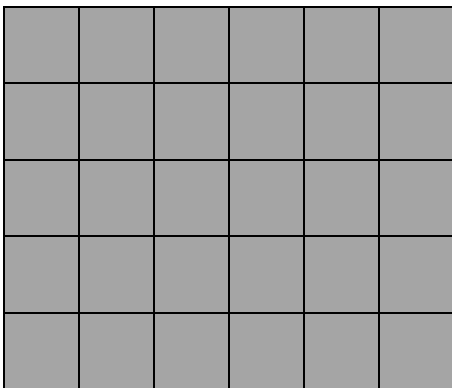
A chocolate factory decides to design some gift boxes for a new kind of chocolate. There shall be 36 chocolates in each box.

- Chocolates are placed in a single layer in the shape of a square or rectangle.

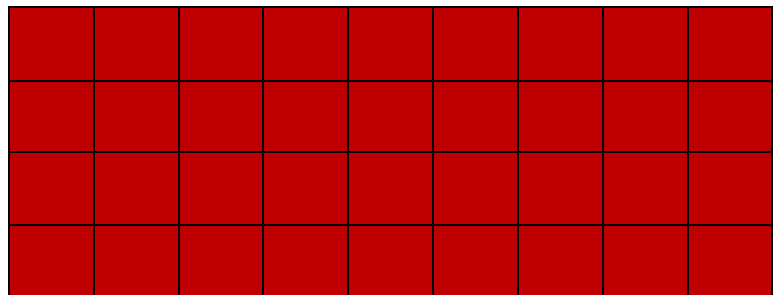
How many different sized boxes can you design?



6x6

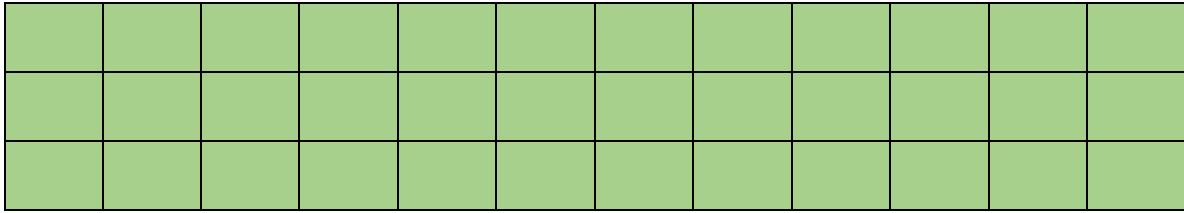


9 x 4 or 4 x 9

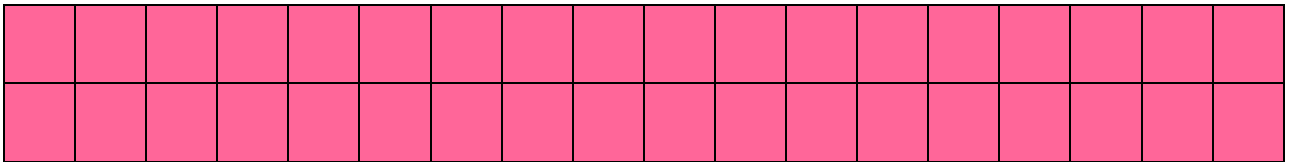


1 x 36 or 36 x 1





12 x 3 or 3 x 12



18 x 2 or 2 x 18

2. Now try making boxes of 36 chocolates in 2 layers

