***A Box of Chocolates***

***![C:\Users\Julia\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\GKX3P10J\MC900215938[1].wmf]()***

Last week I received a box of chocolates from a friend of mine. When I opened the box I noticed that there were 2 rows of chocolates, and 6 columns for a total of 12 chocolates. Then when I lifted those up I found another layer underneath! Now I have 12 +12 = 24 chocolates! This made me wonder how many different ways a box company could create a box that would hold 24 chocolates. Can you come up with all of the possibilities?

Extension: Using snap cubes to represent your different boxes determine the amount of cardboard needed to construct the outside of each box. Which box would use the least cardboard to make? Which box would use the most?