1. **Table-** Complete the Table below.

|  |  |  |
| --- | --- | --- |
| **Figure Number (n)** | **Number of Connectors(C)** | **Number Of Straws(S)** |
| *1* | ***4(2)=22(2)=23*** | ***2(4) + 1(4)=2(4x1)+1(4)=12*** |
| *2* | ***9(3)= 32(3)=33*** | ***3(12) + 2(9)=3(4x3)+2(9)=54*** |
| *3* | ***16(4)= 42(4)=43*** | ***4(24)+ 3(16)=4(4x6)+2(16)=144*** |
| *4* | ***25(5)=52(5)=53*** | ***5(4x10)+2(25)=250*** |
| *5* | ***36(6)=62(6)=63*** | ***6(4x15)+2(36)=432*** |
| *10* |  |  |
| *20* |  |  |
| *n* | ***(n+1)2(n+1)=(n+1)3*** | ***(n+1)[(4x(n(n+1)/2)+2(n+1)2]=***  ***(n+1)2+(4n+2)*** |



