```
TASKI
 81: X=1560, 1700, 900, 860, 1000, 950
     mean F = 1550 + 1700 + 900 + 850 + 6000 + 950
                                   6
             x= 1158
Standard deviation J = \int \frac{\sum (x - \overline{x})^2}{n} = \int \frac{\sum (x - 1558)^2}{n}
                   J= 367.99
         X = 3,21,98,203,17,9
 B2:
         mean F. 58.5.
     ranieace \sigma^2, \sum (x-\overline{x})^2 = \sum (x-58.6)^2
                 J2 6719.90
  83: Prabability of pars (ofart) = p(x=0) = 0.8
        probability of jour in 1 sub = p.(x=1) = 0.1
        prabability of jail in 2 Sub = p(x=2)= 0.07
        probability of fact in 350b=p(x=3)=0:03
 Diswibution
                                         3
                                  2
```

p(x) 0.8 0.1 0.07 0.03

TASK 2:

81:

probability of getting Answer night = 1/4
probability of getting Answer wrong = 3/4.

probabily of getting 5 wrong Among 20 Doelchion.

$$= P(10,5) * (\frac{3}{4})^5 * (\frac{1}{4})^{15}$$

± 0.0000034

82: 1=60, k=6, n-k=45

probability of getting b' = 1

probabity of getting AU other outcome when Assuming by is outcome exactly to times. = 45 = 0.9

probabily of getty D'5 times exactly \$ 0.1'

2

<u>8</u>3 !

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prababily of Red bery pulled: 4/10
probabilty of black bery polled: 6/10

Combination of 21

probability of all possible outcomes =  $\frac{2}{16} + \frac{4}{15} + \frac{4}{15} + \frac{1}{8} = 0.999$