```
Sample variance
         2.5, 3.5, 4.4, 4.4, 6, 7, 6, 7, 8.2, 8.3, 8.7, 9.1, 9.5
                                                                                                8.7 / 3 =
       Five number summary
        lowest number : 2.5
        highest number 9.5
       Median: 6.7
       1st quartile: 4.4
      3rd quartile 8.7
       (2.5+3.5+4.4+4.4+6.7+6.7+8.2+8.3+8.7+9.1+9.5)
            ÷ 11 = 6772 = 6.54545
   (2.5 - \frac{7^{2}}{11})^{2} = (\frac{2.5}{10} - \frac{72}{14})^{2} = \frac{79^{2}}{484}
(3.5 - \frac{72}{11})^{2} = (\frac{35}{10} - \frac{72}{11})^{2} = \frac{4489}{484}
(4.4 - \frac{72}{11})^{2} = (\frac{44}{10} - \frac{72}{11})^{2} = \frac{13924}{3025}
                                                                                                          -> did it twice
 (4.4 - \frac{72}{11})^2 = (\frac{44}{10} - \frac{72}{11})^2 = \frac{3025}{3025} 
 (4.4 - \frac{72}{11})^3 = (\frac{67}{10} - \frac{72}{11})^2 = \frac{289}{3025} 
 (6.7 - \frac{72}{11})^2 = (\frac{67}{10} - \frac{72}{11})^2 = \frac{289}{12100} 
 (6.7 - \frac{32}{11})^2 = (\frac{67}{10} - \frac{72}{11})^2 = \frac{8281}{12100} 
 (8.2 - \frac{72}{11})^2 = (\frac{82}{10} - \frac{72}{11})^2 = \frac{8281}{3025} 
 (8.3 - \frac{72}{11})^2 = (\frac{83}{10} - \frac{72}{11})^2 = \frac{37249}{12100} 
 (8.7 - \frac{72}{11})^2 = (\frac{87}{10} - \frac{72}{11})^2 = \frac{56169}{12100} 
 (9.1 - \frac{72}{11})^2 = (\frac{91}{10} - \frac{72}{11})^2 = \frac{78961}{12100} 
 (9.5 - \frac{72}{11})^2 = (\frac{95}{10} - \frac{72}{11})^2 = \frac{4225}{484} 
                                                                                                                     16667 = 10
                                                                                                                = 6.06073
                                                                                                                    So the variance
                                                                                                                    is 6.06073
                                                                16667
                                    The sum
```