Computing the sample variance and sample standard deviation

Step 1:

1. **99^2= 9801**
2. **98^2 =9604**
3. **97^2 =9409**
4. **96^2 = 9216**
5. **95^2 = 9025**
6. **94^2= 8836**
7. **90^2= 8100**
8. **89^2= 7921**
9. **87^2= 7569**
10. **86^2 = 7396**
11. **84^2 = 7056**
12. **83^2 = 6889**
13. **79^2 = 6241**
14. **78^2 = 6084**
15. **75^2 = 5625**

Step 2:
9801+9604+9409+9216+9025+8836+8100+7921+7569+7396+7056+6889+6241+6084+5625= 118772

Step 3: 99+98+97+96+95+94+90+89+87+86+84+83+79+78+75=1330

Step 4: $(1330)^2$ =1768900

Step 5: 1768900/15 =117926.67

Step 6: 118722-117926.67 = 795.33

Step 7: 795.33/15 = 53.022

$\sqrt{53.022} = 7.28$