

You are Important!

We worked out the Mean and the Standard Deviation of 30 14-year-old students' heights to be:

Mean 166.33
Standard Deviation 12.26

164	150	170	163	180	167
170	178	170	165	160	165
165	140	165	165	200	140
145	179	170	168	182	168
168	175	175	165	161	158

You now want to include yourself in these figures. Can you work out the Mean and Standard Deviation of the 31 heights without starting all over again? Explain clearly how to do this.

If you calculated the Mean and Standard Deviation of the heights of these same students in 10 years time how might they have changed? Explain your answers.

Below there is a Histogram of the 30 heights above. Redraw this including your height. Do the averages change?

