Diet	Wtloss
A	3.709
A	7.087
A	6.754
A	8.994
A	9.077
A	6.413
A	5.877
A	2.572
A	7.520
A	6.881
A	7.265
A	3.477
A	3.755
A	8.760
A	7.032
A	9.052
A	10.062
A	4.840
A	6.449
A	9.019
A	-1.715
A	4.718
A	4.007
A	7.241
A	2.128

Diet A	**n**	50
	Mean	5.341
	SD	2.536

Diet B	**n**	50
	Mean	3.710
	SD	2.769

Comment: The sample size for Diet B is n = 50 (50 individuals undertook Diet B).

The sample mean weight loss for Diet B is = 3.710. The average weight loss for those individuals who undertook Diet B is 3.710 kg, so the diet appears to have been effective.

The sample standard deviation of 2.769 kg tells us about the variability or dispersion in weight loss outcomes among the 50 individuals on Diet B. In this case, a standard deviation of 2.769 kg indicates that the weight loss results for individuals on Diet B varied by approximately 2.769 kg around the mean. Some individuals may have lost more weight, while others may have lost less, resulting in this degree of variability.

The sample mean weight loss for Diet A is 5.341 kg, indicating that, on average, individuals on Diet A lost more weight than those on Diet B (3.710 kg). This suggests that Diet A, on average, led to a greater weight loss. The standard deviations are relatively similar, with Diet B having a slightly higher standard deviation. This suggests that both diets have a similar degree of variability or spread in terms of weight loss results among their respective groups.

A	6.968
A	4.853
A	0.055
A	2.680
A	3.746
A	7.033
A	5.033
A	5.569
A	6.712
A	3.663
A	2.741
A	6.256
A	5.349
A	7.300
A	5.445
A	4.970
A	3.613
A	7.568
A	5.861
A	4.157
A	0.203
A	4.441

A	5.875
A	5.715
A	0.280
B	-1.087
B	1.819
B	0.074
B	1.755
B	1.889
B	3.089
B	4.008
B	4.551
B	1.372
B	3.413
B	-4.148
B	2.823
B	2.865
B	4.369
B	6.337
B	6.308
B	3.494
B	10.539
B	3.840
B	5.123
B	5.485
B	-1.894
B	8.016
B	2.310
B	3.882
B	7.030
B	7.727
B	0.105
B	3.650
B	4.547
B	4.985
B	5.159
B	4.760
B	4.934

B	3.106
B	5.598
B	2.162
B	6.520
B	7.046
B	1.757
B	1.848
B	1.096
B	2.145
B	8.435
B	6.099
B	3.972
B	2.409
B	0.569
B	7.013
B	2.594