Chips challenge

Is given by sum of values in a set of data divided by number of values

appearing in a set of data

The mean is equal to the sum of all the values in the data set divided by the

number of values in the data set

or

$= 52986 = 1261. 57$

42

Therefore the mean number of chocolate chips per bag is 1, 262 (to the

nearest whole number)

Normal probability plot

No, it is not reasonable.

The mean is vulnerable and influenced by outliers, which aare unusual

values. If you compare its value to others in a set of data, you may end up

with values that are too small or too large.

From the charts above, there are no outliers

95% confidence interval for the mean (Note: Mean= 1261. 6; s= 117. 6)

((1261. 6 - (1. 96*117. 6)), ((1261. 6 + (1. 96*117. 6))

= (1031. 1, 1492. 1)