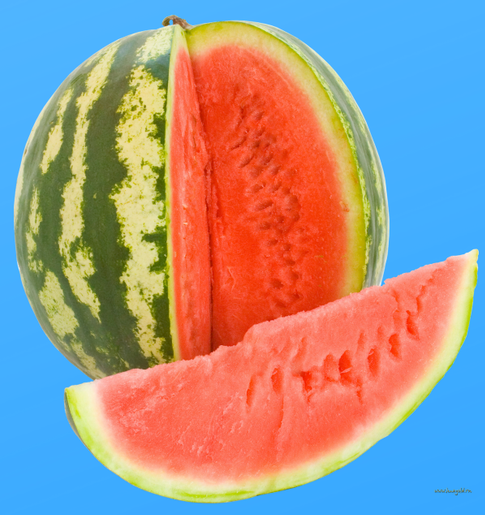
How many pieces of fruit do year 8 eat in a day?

Introduction - This question was asked to year 8 students as we wanted to know how many pieces of fruit year 8 were eating in a day. Fruit intake is very important to your diet as they provide many vitamins and nutrients. Because fruit is so important to have we were intrigued to see if year 8 were having enough of it.

Aim - To find out how many pieces of fruit people in year 8 eat in a day.

Hypothesis - We think most people will eat from 2-3 pieces of fruit in a day.

Discussion - For our data our sample size was 50, our data is primary data as we went and surveyed everybody in person. This means the data is quite reliable. The mean is 2.94 (2dp), this shows the average number of pieces of fruit people eat in a day. The mode is 2 pieces of fruit, this shows that majority of people eat 2 pieces of fruit in a day. The median is 3, this is the middle number in the data. The range is 6, this is the range of how many pieces of fruit people eat in a day. The interquartile range is 2 because Q3 - Q1 = 2.



Weaknesses - Our sample size was 50 people, we could have made the sample bigger so the results would be more reliable. We only surveyed half of year 8, we could have made it more reliable if the whole of year 8 were surveyed.

Data - graph and table

Mode = 2 pieces of fruit

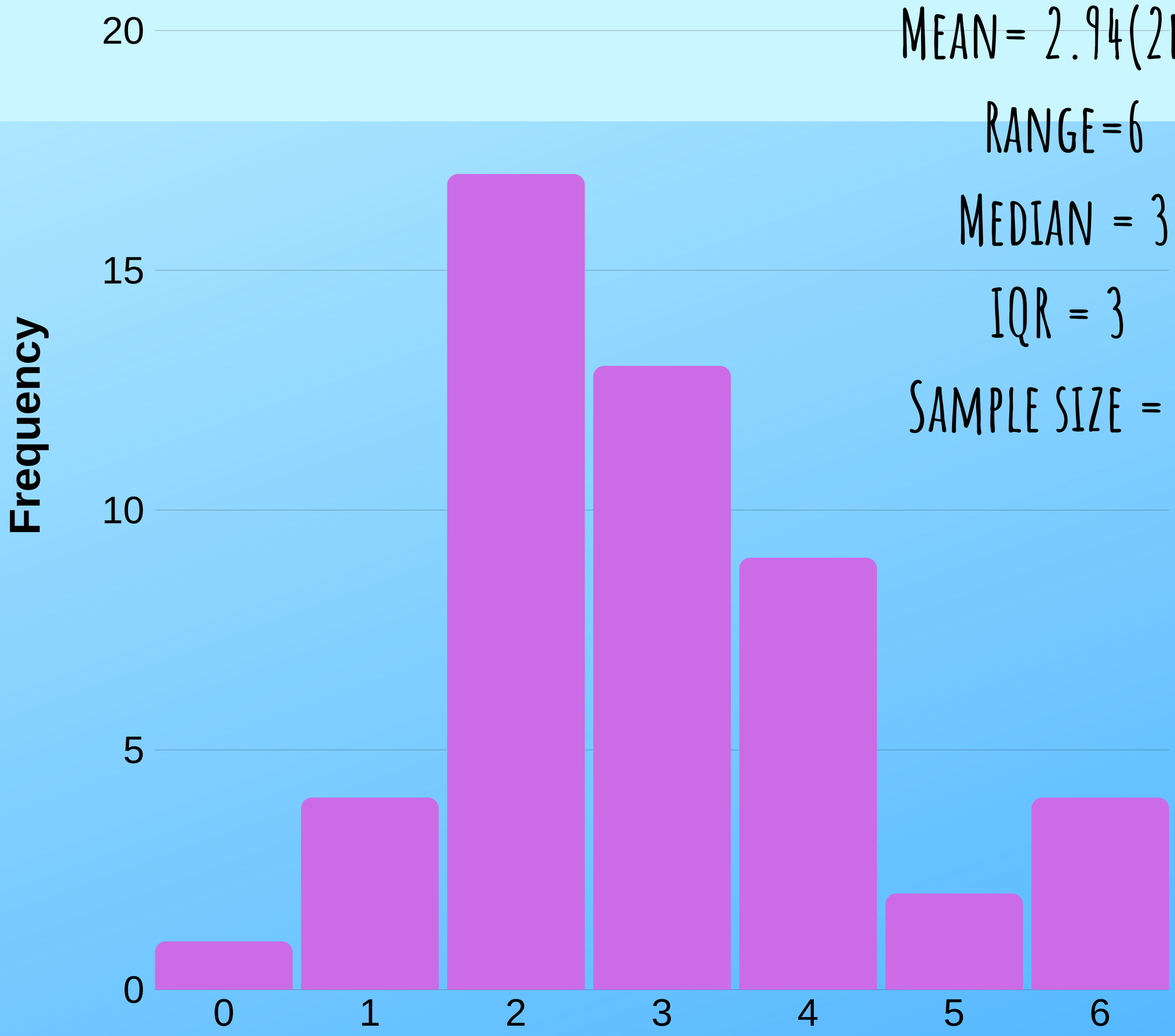
Mean= 2.94(2dp)

Range=6

Median = 3

IQR = 3

Sample size = 50



This graph clearly shows that majority of people eat 2 pieces of fruit a day

Number of fruit	Frequency	xf
0	0	0
1	4	4
2	17	34
3	13	39
4	9	36
5	2	10
6	4	24
	Total = 50	Total = 137

This table shows the totals of the frequency and xf, this table helped us find our mean.

In conclusion

In conclusion, the majority of students in year 8 have 2 pieces of fruit a day. Our hypothesis was correct as we predicted 2-3 pieces of fruit people would eat in a day.