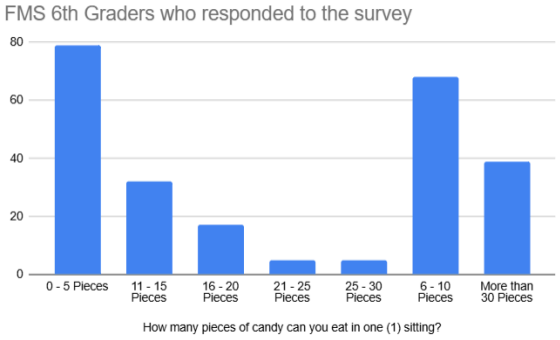
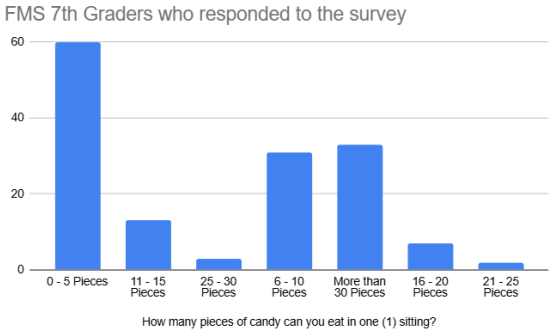
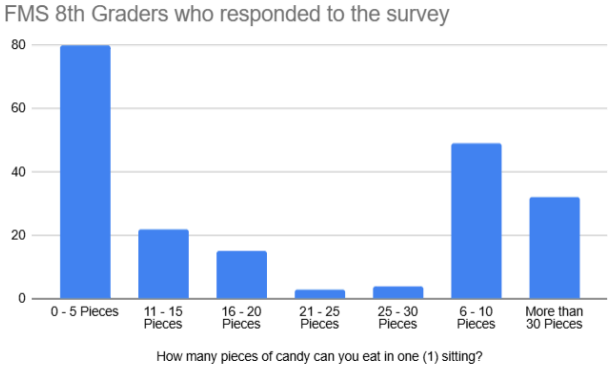
"Thanks to the students in Mr. Olsen's class who volunteered to create statistical questions. A statistical question is a question that anticipates variability, which means that there will be multiple, different answers."

"Thank you to the 650 FMS students who completed the survey!"

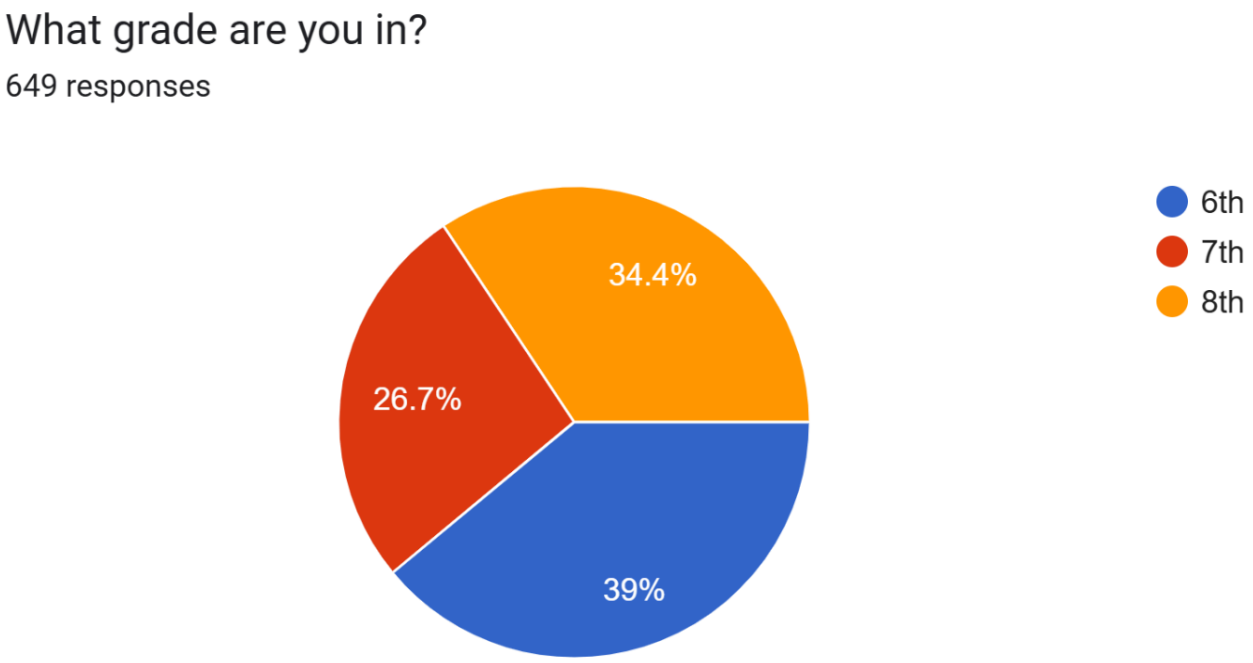
"We wanted to see how many pieces of candy students said they could eat in one sitting. We created histograms for the 6, 7, and 8th grade classes.



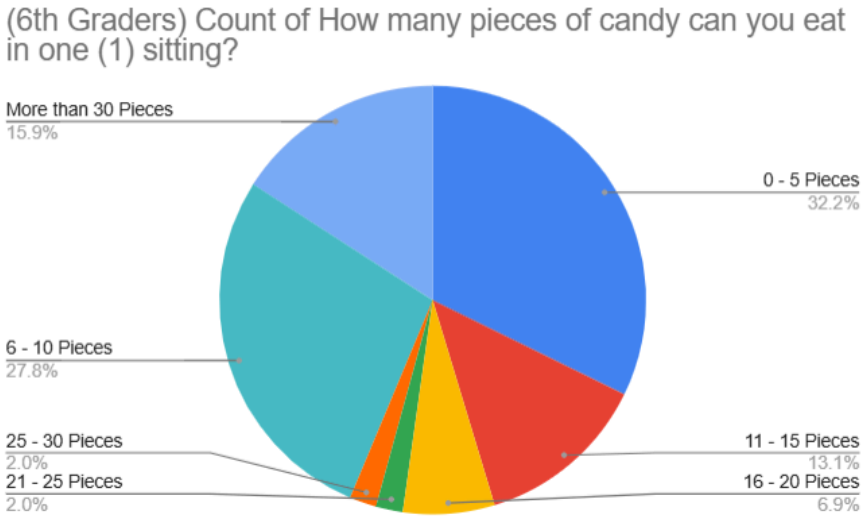


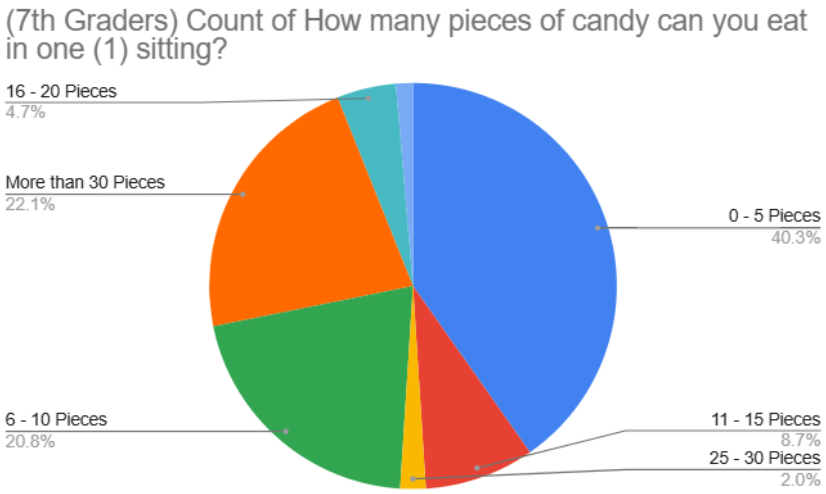


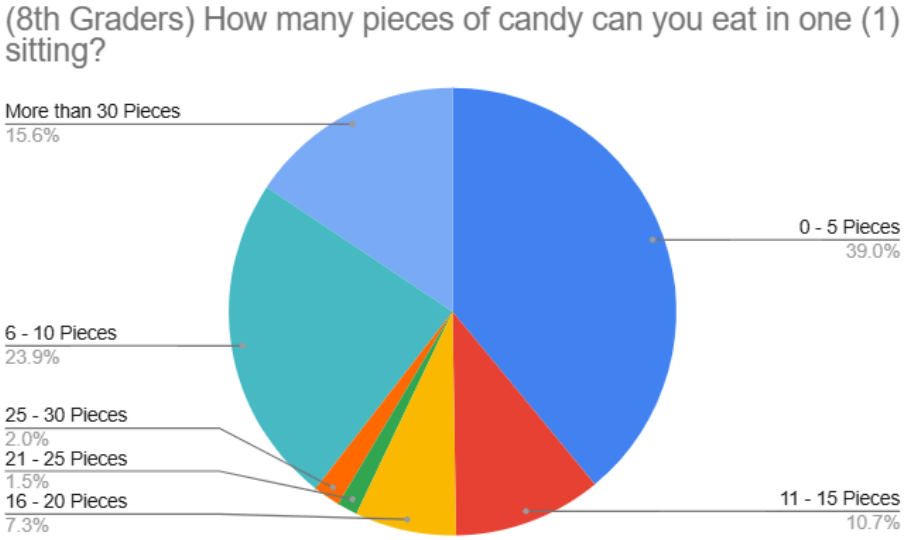
We were looking at the histograms and the number of students who said they could eat more than 30 pieces of candy in one sitting and realized that it didn't make sense because more sixth graders completed the survey than any other class. Histograms weren't that helpful for comparing.



So instead, we made pie charts that use percentages. Percentages are helpful when there are different size groups, in this case a different number of students who responded to the survey in 6th, vs 7th, vs 8th grade.


(6th Graders) Count of How many pieces of candy can you eat in one (1) sitting?
More than 30 Pieces
15.9%
0 - 5 Pieces
32.2%
6 - 10 Pieces
27.8%
25 - 30 Pieces
2.0%
11 - 15 Pieces
13.1%
21 - 25 Pieces
2.0%
16 - 20 Pieces
6.9%


(7th Graders) Count of How many pieces of candy can you eat in one (1) sitting?
16 - 20 Pieces
4.7%
More than 30 Pieces
22.1%
0 - 5 Pieces
40.3%
6 - 10 Pieces
20.8%
11 - 15 Pieces
8.7%
25 - 30 Pieces
2.0%


(8th Graders) How many pieces of candy can you eat in one (1) sitting?
More than 30 Pieces
15.6%
0 - 5 Pieces
39.0%
6 - 10 Pieces
23.9%
25 - 30 Pieces
2.0%
21 - 25 Pieces
1.5%
16 - 20 Pieces
7.3%
11 - 15 Pieces
10.7%

“NOW we can see, based on the students who completed the survey, roughly 40% of 7th and 8th graders said they could eat more than 30 pieces in one sitting. 32% of the students in sixth grade said they could.