

CAN YOU TELL THE DIFFERENCE BETWEEN ICE CREAM AND PLANT-BASED ICE CREAM?

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Introduction and Reasoning

In our society, a lot of people are against products that are not the original, and they often have a negative opinion, even though they've never actually given them a try. Our data poster project was trying to get people to taste plant based ice cream under the guise that they were getting real ice cream. While we were also testing to see who could taste the difference, our main focus was to see if kids only didn't eat plant based ice cream because of the negative connotations associated with it. So, without further ado, welcome to our Data poster!

Hypothesis

Our hypothesis was that children will be able to tell the difference between the real ice cream and plant based ice cream, although they will most likely realise that plant-based ice cream is actually really delicious and they shouldn't have been worried about giving it a try..

Method

We set up a table outside our classroom, with the ice cream hidden by a freezer bag. We went down to classes and got around five students per class to come up and take our survey. We got a paddle pop stick, each side labelled with one (dairy free) and two (dairy full), and one side had a dairy free scoop, and the other had real ice cream. The student tasted each sample and told us which one they thought was dairy free, along with their age and gender.

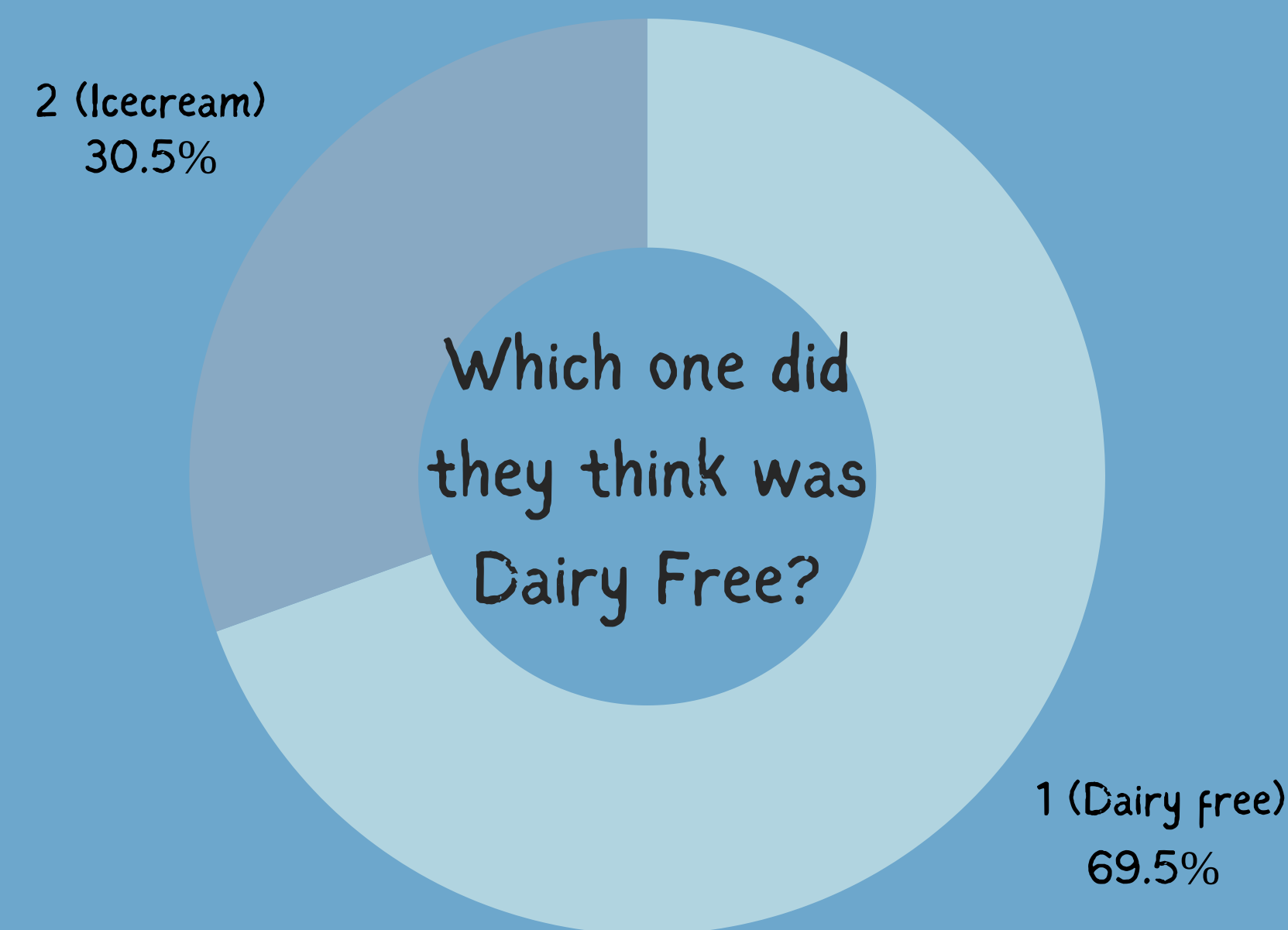
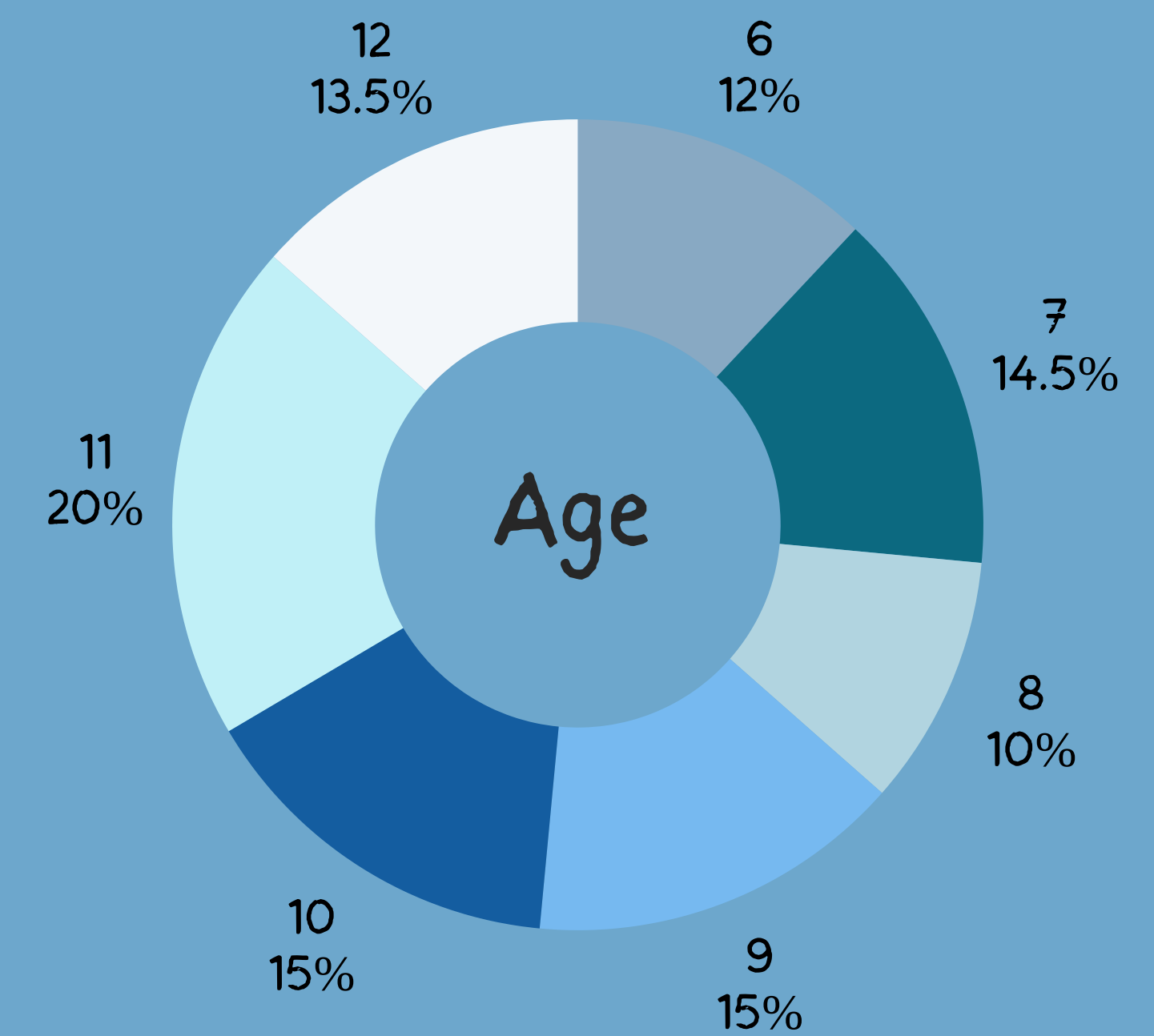
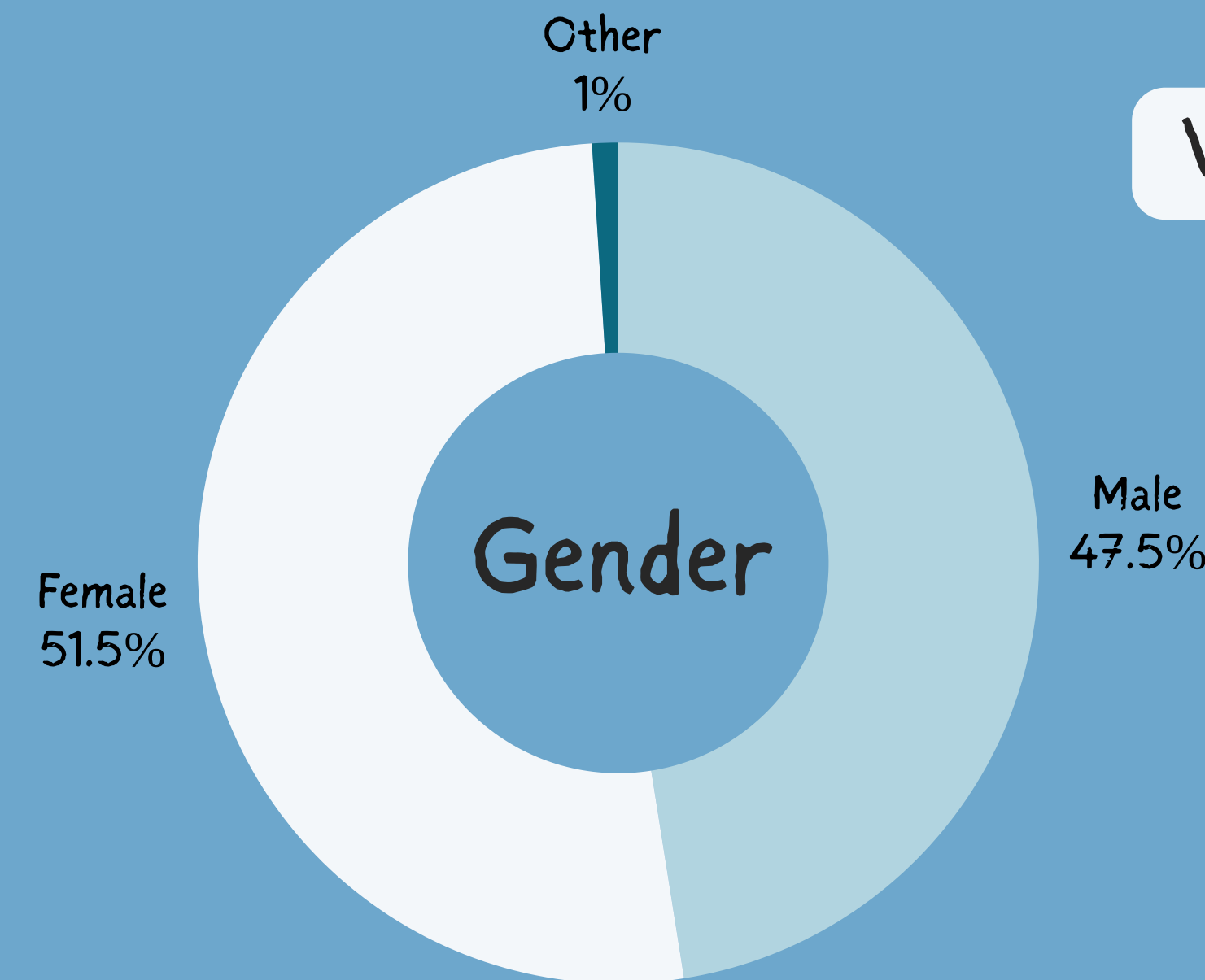
Problems and Solutions

Some problems we faced throughout the surveying was that the ice cream started to melt quickly, which could have messed with our results as the melting could have messed with the flavour. We solved this by continuously having little breaks every half an hour to put the ice cream back in the freezer. Another problem we faced was that halfway through surveying people, we ran out of popsicle sticks. We solved this by asking our school office if they had any spare popsicle sticks, and they gave us a generous share! Another obstacle we faced was that some teachers in the school were a bit annoyed at us for taking students in class time. We solved this by taking the students from those classes at break times, therefore not bothering the teachers at all. The last problem we faced was also to do with teachers, and it was their concern with people with allergies.

But as we were already asking our participants if they had allergies, this was not a big problem.

Our Data

We ended up with 200 people surveyed!



Conclusion

In conclusion, the majority of students guessed correctly, which was 70%. While the younger children found it harder although the older children found it relatively easy to taste the difference. We believe that this is because the older children have tasted more things and have experienced more flavours in their time. Younger children, although they have more taste buds, have not experienced the same flavours making it harder for them to taste the difference. We also asked several people after the survey who had never tried dairy free ice cream before if they enjoyed the flavour, and they all thoroughly liked it. Overall we are happy with our results and are glad that we made people realise dairy free ice cream isn't as bad as they thought!