

# The Chart Sale

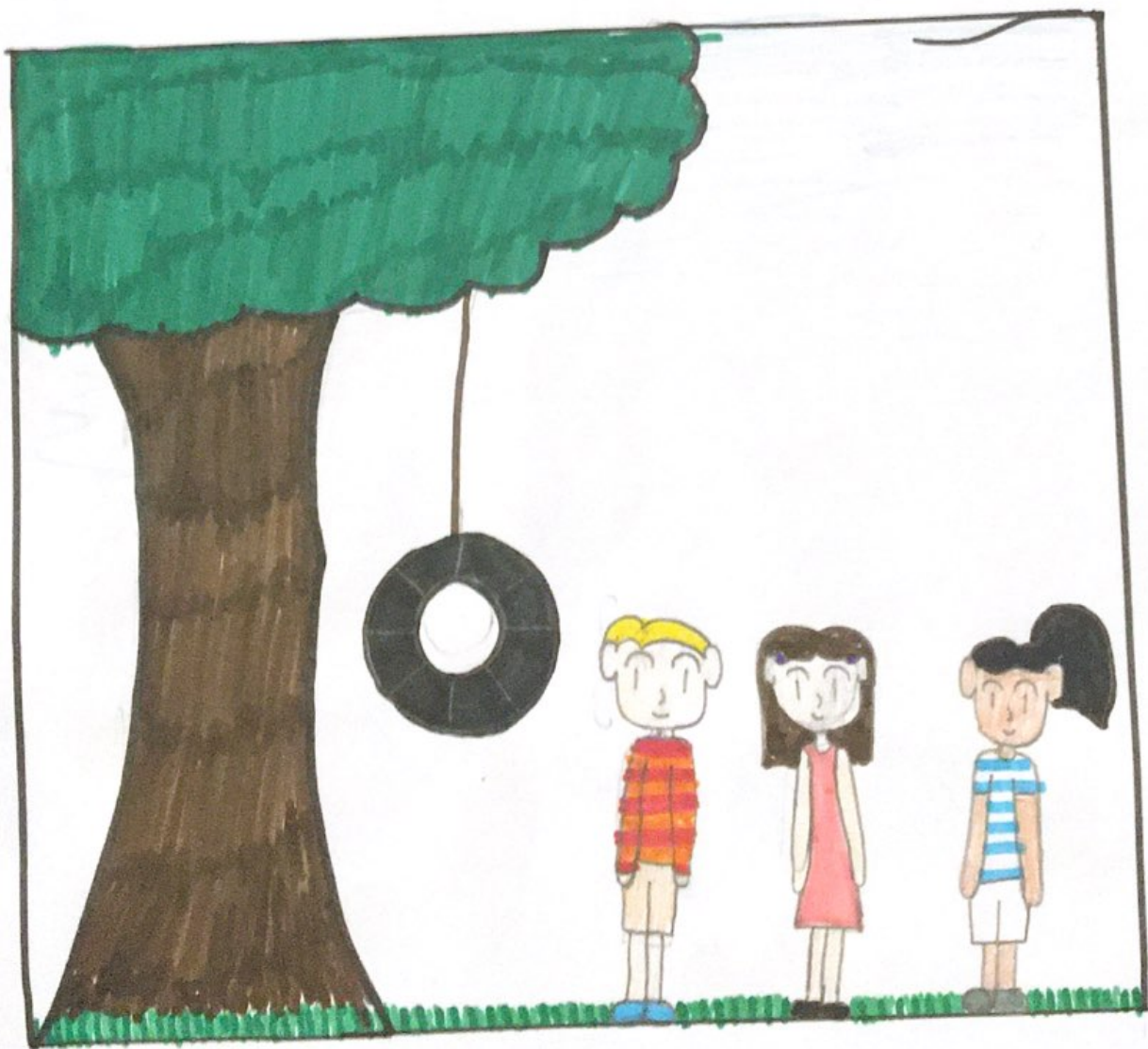


BY Faith.L

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Once upon a sunny afternoon, Thomas and Rosie were waiting in the park for their friend Olivia. "Hi Olivia," said Rosie. "Did you bring the picnic?" "I am so sorry, I forgot. What will we eat now?" said Olivia.

"We could go to my dad's shop and buy some food." remarked Thomas. The children agreed that they would go to Mr Chart's shop. "Come on, this way." called Thomas.

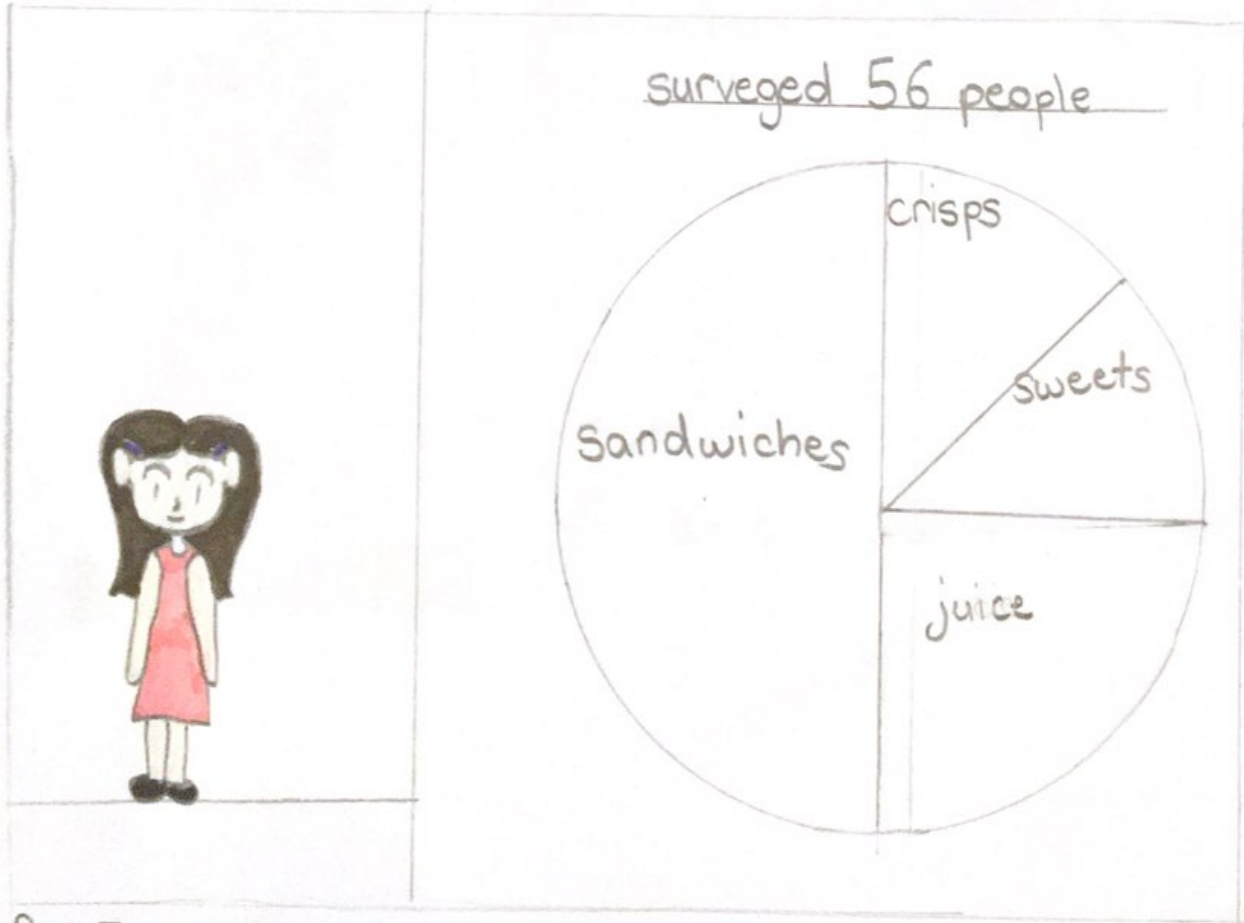




When the children entered the shop, Mr Chart was at the counter with four items in front of him. "What is the matter Mr Chart?" asked Olivia. "I want to put my most popular item on sale but I don't know which it is." sighed Mr Chart. "Mr Chart what are your top selling items?" asked Rosie. "Crisps, sweets, juice and sandwiches but how will that help you?" replied Mr Chart. "We will show you. Come on." said Rosie to her friends

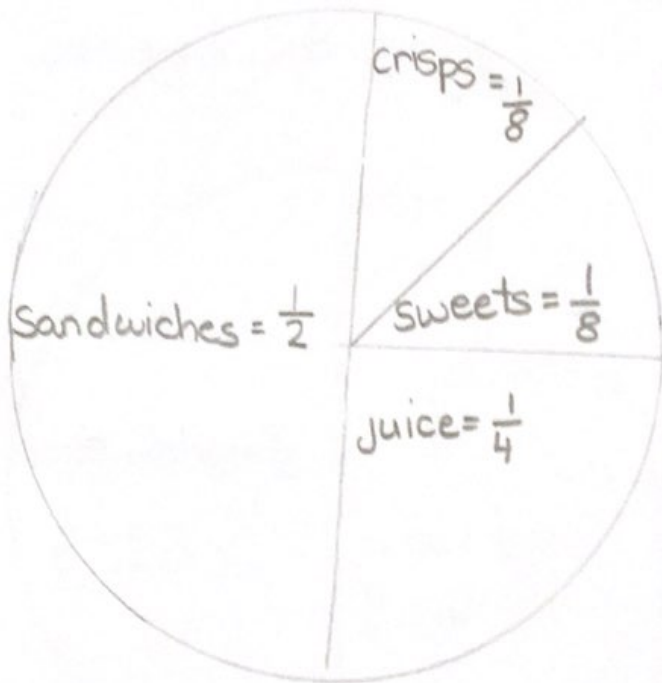


Later that afternoon, the children came back. "What is that," said Mr Chart curiously. He was pointing to the sheet of paper in Rosie's hand. "It's a pie chart. We asked 56 people which is their favourite out of sandwiches, crisps, sweets and juice and have put it on this pie chart." explains Rosie



"On the pie chart  $\frac{1}{2}$  of it is sandwiches,  $\frac{1}{4}$  is juice,  $\frac{1}{8}$  is sweets and another  $\frac{1}{8}$  for crisps. I know we are right because  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{8} = 1$  whole." explains Olivia.

surveyed 56 people

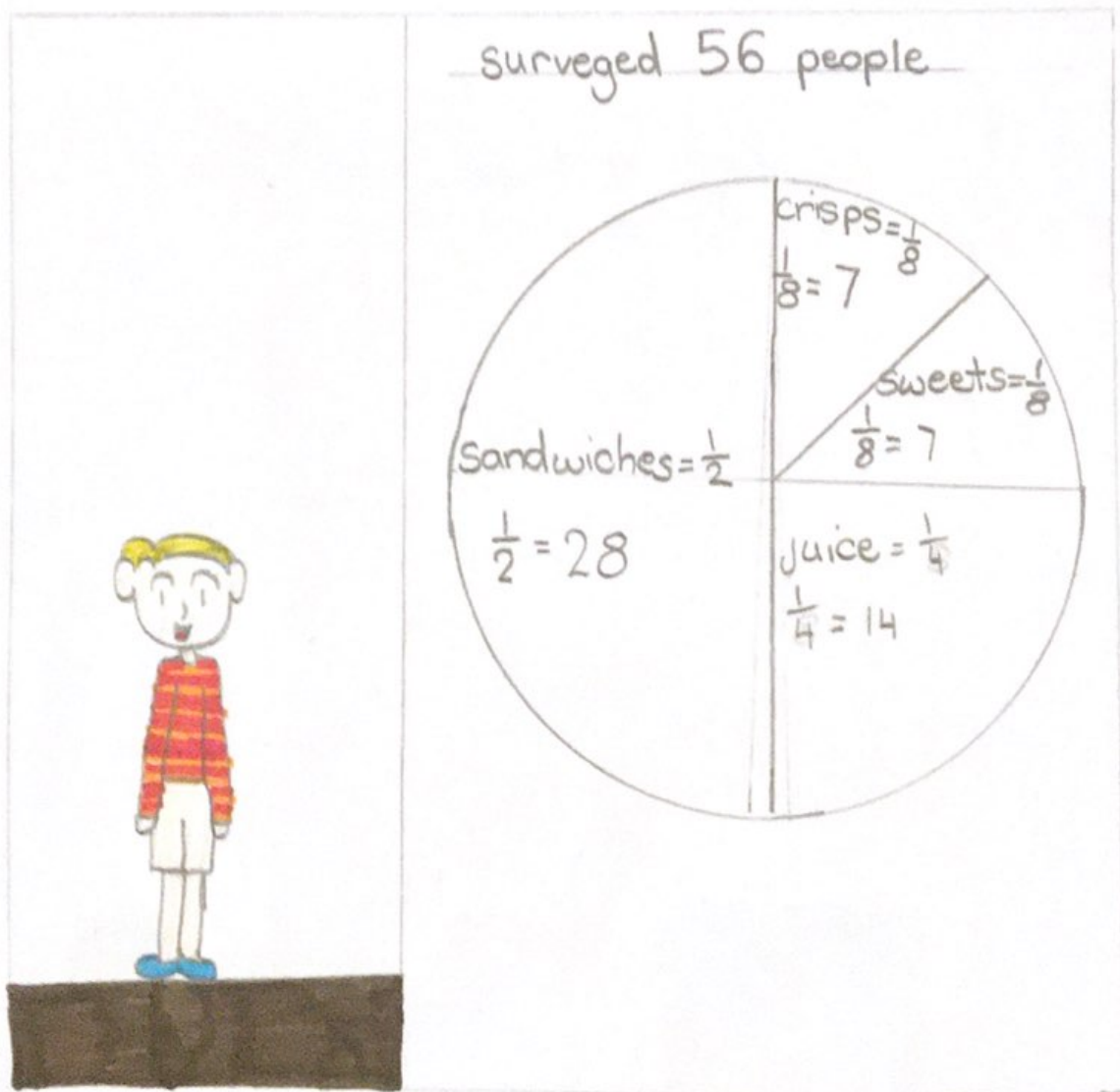


$$\frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{8} = 1 \text{ whole}$$



"To work out what each fraction is worth we have to start with the whole 56." said Thomas.

"Half of 56 is 28 so 28 people like sandwiches. Half of a  $\frac{1}{2}$  is  $\frac{1}{4}$  so half of 28 will equal juice and half of 28 is 14. Half of  $\frac{1}{4}$  is  $\frac{1}{8}$  and  $14 \div 2 = 7$  so sweets and crisps will equal 7 people because they are both  $\frac{1}{8}$ ." explains Thomas.



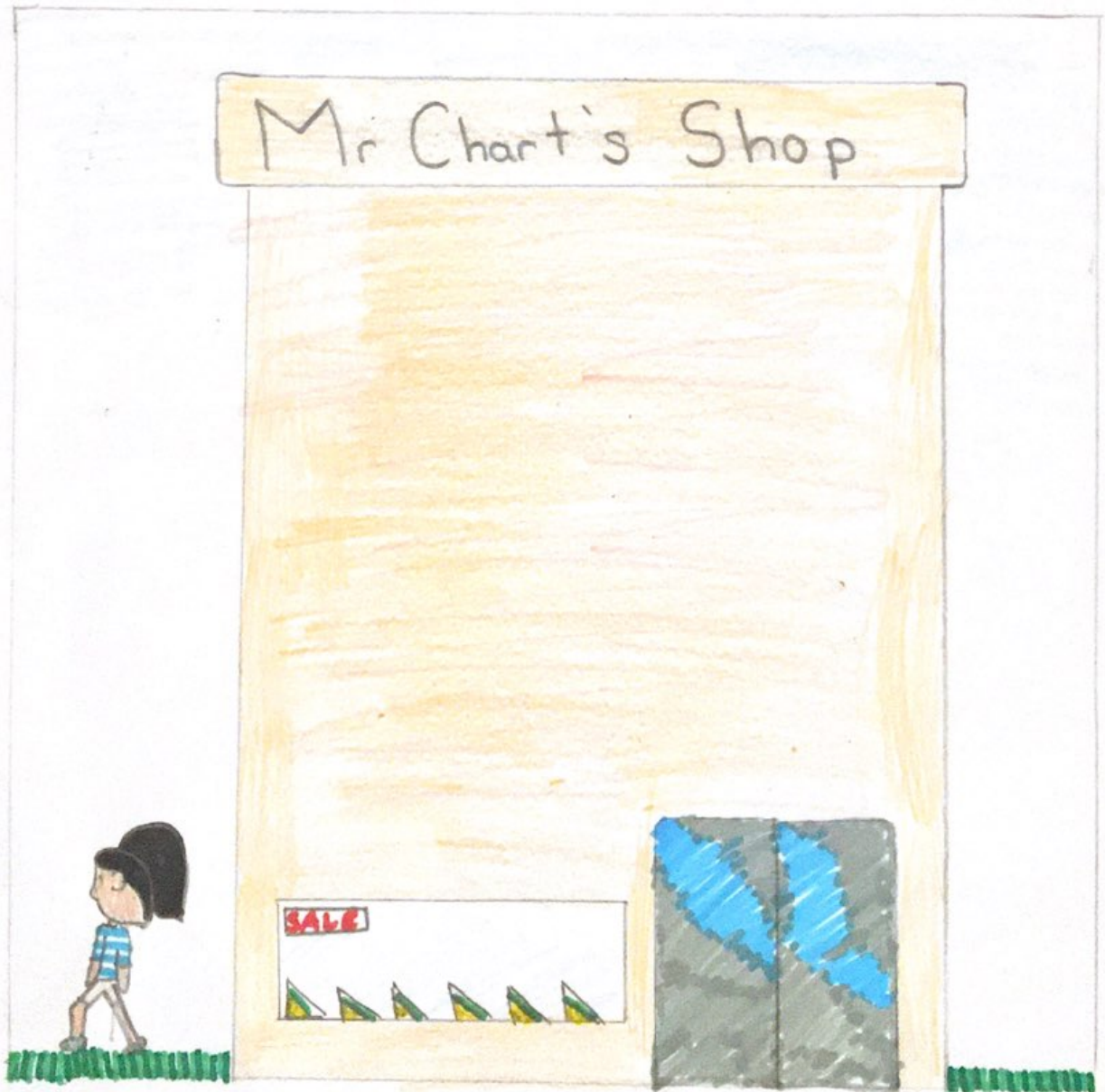
"So your most popular item is sandwiches." They chant.

"Thank you very much," said Mr Chart gladly.

"I don't know what I would have without you three. Now what would you like?"

"Sandwiches please." said Rosie.

"We better be quick the park will be closed soon." said Olivia



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Mr Chart owns a shop. He wants to put his most popular item on sale but has no idea which it is. Luckily, three friends, Rosie Thomas and Olivia, come to the rescue. Using their knowledge of pie charts, they help Mr Chart find out which he should put on sale.



Faith is 10 years old and lives in the UK. At school, St Judes, she has always loved maths.

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