

School survey task: Student worksheet

A class wanted to raise money for their school trip. They could raise money by selling raffle tickets for a Wii Game System. Before they decide to have a raffle they wanted to estimate how many students in the whole school would buy a ticket. They decided to do a survey to find out first. The school has 600 students in years 1–6 with 100 students in each year.

**1. How many students would you survey? How would you choose them? Explain your answers.**

I would survey about 60 students, 10 from each grade. I would put all 100 students names from each grade in a separate hat for their respective grade and randomly pick out 10 names.

**2. Shannon got the names of all 600 students in the school and put them in a hat. Then she pulled out 60 names. What do you think of Shannon's survey? Explain your answer**

It is good because it is random sampling but if more students from one grade is picked than another it would not be an equal representation of each grade if the class wanted to compare. In this scenario it is good because the goal is to sell as many tickets regardless of which grade it is from.

**3. Jake asked 10 children at an after-school meeting of the computer games club. What do you think of Jake's survey? Explain your answer.**

Not good enough because it is selectively chosen since he asked children only from the computer games club and it is also not enough people.

**4. Adam asked all of the 100 children in year 1. What do you think of Adam's survey? Explain your answer.**

Also not good enough because it is limited to only one age group.

**5. Raffi asked 60 of his friends. What do you think of Raffi's survey? Explain your answer**

Not good because it is people only Raffi knows and they all would probably say the same thing.

**6. Claire set up a booth outside the tuckshop/canteen. Anyone who wanted to stop and fill out a survey could. She stopped collecting surveys when she got 60 kids to complete them. What do you think of Claire's survey? Explain your answer.**

Again, not good enough because people who do not care will not fill out a survey. It is not a good representation.