

JOINING CLUBS

Performance Standard 10B.I

Create a critical question and design an instrument to gather the needed data:

- *Mathematical knowledge*: Create and conduct a survey and analyze data to draw conclusions;
- *Strategic knowledge*: Follow systematic process to develop clear , unbiased survey and conclusions;
- *Explanation*: Explain completely what was done and why it was done.

Procedures

1. Provide students with sufficient learning opportunities to develop the following in order to formulate questions, design data collection methods, gather and analyze data and communicate findings.
 - Create a question and design a set of questions that might get the data desired.
 - Decide if the survey was “successful” in gathering the intended data.
2. Students are given the task to be completed both inside and outside of class and results brought back for analysis and presentation. It is assumed that students have learned and discussed methods of sampling and how questions can influence results by their phrasing.

Your school activities director wants to survey students about why students join clubs and how they decide which clubs to join. Create a critical question he might like answered and design a set of questions that might get the desired data. Carry out the survey and decide if it was “successful” in gathering the intended data. Write a summary of the results with possible reasons for good or inadequate results for each question, and suggestions for improving questions that did not yield good data.
3. Evaluate the work using the mathematics rubric
 - A 4 in mathematics knowledge would require the completion of the survey, accurate and appropriate summary of results, and conclusions/predictions based on the data.
 - A 4 in strategy would require a clear critical question and a set of unbiased questions that support the gathering of data relative to the critical question. A 3 may be awarded for strategy if the questions did not elicit the data desired but the student can describe how they should be changed to improve the quality of the data.
 - A 4 in explanation would require a detailed written summary of the results and analysis of the success of each question with suggestions for improvement of questions.

Examples of Student Work follow

Resources

- Copies of the “Joining Clubs” task sheet
- Access to a population to sample
- Mathematics Rubric

Time Requirements

- One or more class periods devoted to developing the questions
- Two or three days to collect the data
- One week to analyze and present results and conclusions

ASSESSMENT 10B.I

NAME _____ DATE _____

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Student Task Sheet

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In my survey I interviewed 20 other students, with different backgrounds and interests. All of them though were freshmen my highschool. My survey was SUCCESSFUL in gathering the intended data and the data I predicted. Each individual was asked following questions:

<p>5/20 WORLD STUDIES 2/20 OTHER</p> <p>1/20 MATHEMATICAL STUDIES</p> <p>1/20 ENGLISH 3/20 PE 3/20 BIOLOGY</p>	<p>WHAT IS YOUR FAVORITE SCHOOL SUBJECT?</p>	<p>→ people love to talk about their favorite things, since they enjoy them</p>
<p>1/20 SPENDING TIME WITH FRIENDS</p> <p>1/20 THEIR CLUBS 2/20 MOVIES, TV</p> <p>1/20 READING 2/20 OTHER</p>	<p>WHAT ARE YOUR FAVORITE AFTER SCHOOL ACTIVITIES? (EX. READING, PLAYING CHESS, ETC.)</p>	<p>→ again, people love to talk about their favorites, because it obviously brings them happiness</p>
<p>1/20 Fun, good time 4/20 OTHER</p> <p>1/20 Good athletic shape 5/20 FILL YOUR COLLEGE APPLICATION</p>	<p>WHAT BENEFITS DOES YOUR CLUB OFFER YOU?</p>	<p>→ people usually think of that before they join a club</p>
<p>1/20 TOO BORING 1/20 OTHER</p> <p>1/20 NOT INTERESTED</p>	<p>WHAT ARE YOUR REASONS FOR NOT BEING A MEMBER OF OTHER CLUBS?</p>	<p>→ people misused this spot to make fun of people unlike them or didn't take it seriously</p>

The last question WHAT ARE YOUR REASONS FOR NOT BEING A MEMBER OF OTHER CLUBS? didn't go as well as other questions. People misused it to insult other people. For example people of chess club despised those of tennis and vice versa. Next time I would ask something that doesn't require an opinion of other clubs, so that people will take it more seriously. Care to think of it, if they would think good of other clubs they would join them & since they didn't they obviously don't like them.

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Which clubs are the most popular for teens in the 10th and 11th grade and why?

* Question 1. What is your first choice in clubs and why?

	Book	Rocket	Sports	Chess	Other
10th			 		
11th			 		

The most was sports clubs and 75% said because of the competition and 10% said because of other students that said that and 5% had a different reason.

* Question 2. What is your least favorite club and why?

	Book	Rocket	Sports	Chess	Other
10th	 				
11th					

Most said Book, 65% said cause its boring and theres no point to it. 15% said non entertaining 5% said waste of time and the remaining 15% had other reasons.

* Question 3. Which club do you think can be most useful in the future?

	Book	Rocket	Sport	chess	other
10th	 				
11th					

Most said Book, But the count for Book, sport and other were closer. Most said book because you can always use good reading skills.

"Exceeds" (page 2)

this survey was not too accurate cause only 30 10th and 11th grade students were questioned and they do not stand for every one. To be more accurate I should have questioned more people. But still I think my survey was successfull in finding the information.