

Fundraising

Annotation

Jeremy is able to pose a question that can be answered with a statistical investigation. He collects whole-number data, and he displays this data in a table and a bar graph. Jeremy accurately interprets the results and communicates his findings in context. He is able to suggest other ways of displaying the information.

Problem: Fundraising

The senior students at Peninsula Primary School have been fundraising for their end-of-year camp. The teacher asks the students in Room 1 to complete the following task:

Pose a question for statistical investigation that uses fundraising data and carry out your investigation.

Student Response

Jeremy's work sample is as follows:

Question

How well are we doing with our fundraising efforts?

Plan

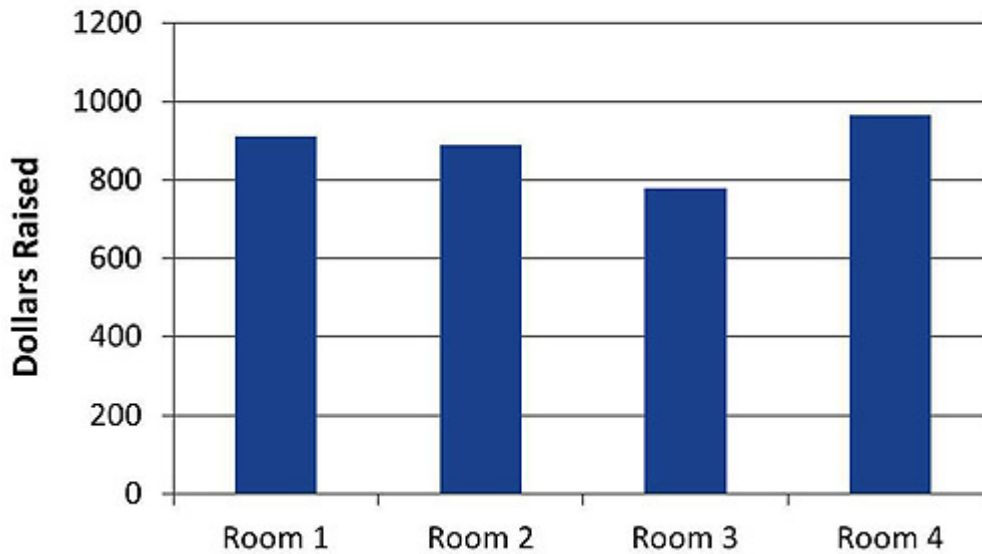
Ask the teachers how much money each class raised and make a graph.

Data

Room	Money raised from sausage sizzle in term 2:	Money raised from spell-athon	Money raised from cake stall in term 3:	Total money raised:
1 = Mrs Spencer	\$ 350	\$ 407	\$ 155	\$ 912
2 = Mr Wong	\$ 327	\$ 397	\$ 165	\$ 889
3 = Ms Lei	\$ 302	\$ 318	\$ 160	\$ 780
4 Ms Givver	\$ 334	\$ 456	\$ 175	\$ 965
Total	\$ 1313	\$ 1578	\$ 655	\$ 3546

Results

Senior School Fundraising



Senior School Fundraising



Teacher: Can you tell me what you did?

Jeremy: I printed out my plan then I asked the teachers how much money each class made, and I added each fundraising amount together. Then I typed them up in an Excel spreadsheet.

Teacher: Why did you do it that way?

Jeremy: Because I know you can make a bar graph in Excel, and I'm not very tidy at ruling lines when I make graphs.

Teacher: What did you do next?

Jeremy: I pushed the bar graph button and then made labels.

Teacher: Why did you do that?

Jeremy: Because you always tell us that graphs need labels so people can know what the graph is showing.

Teacher: What did you find out?

Jeremy: Room 4 are the best fundraisers, even though my class did the best sausage sizzle.

Teacher: What else did you notice?

Jeremy: Well, the spell-a-thon made the most money, and the cake stalls didn't make as much money. Maybe this is because the cake stalls were last and people had run out of money.

Teacher: Could you have done it another way?

Jeremy: Maybe I could have put all the information on the same graph. I know that there's a thing in Excel called a stacked bar graph. If I'd used that, I could have used different colours that could have shown the three fundraisers for each class. You would still see that the spell-a-thon was the best fundraiser and that Room 4 made the most money.