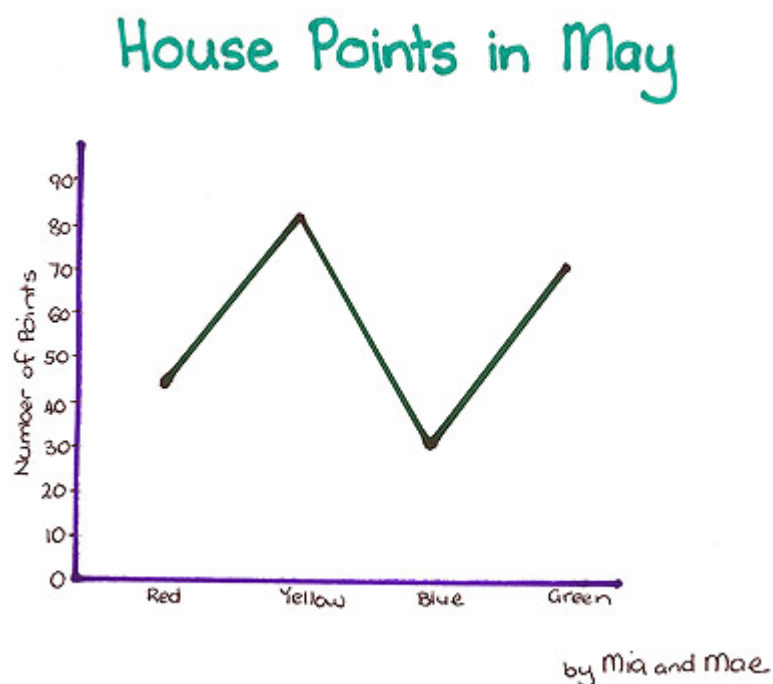


House points

Annotation

Sophie can evaluate the appropriateness of a classmates' graph choice by talking about the type of data displayed and what the graph shows. She is able to suggest a more appropriate data display.

Problem: House points



At the start of each year, the students at this school are put into groups called houses, and each house can earn points each month that build up towards a prize. Mia and Mae made a graph to show how many points each house had accumulated in May.

The teacher asks the students:

What can we say about Mia and Mae's graph to help them improve it?

Student Response

Sophie: There's something wrong with the line. The number of house points isn't very clear.

Teacher: Can you tell me some more about your thinking?

Sophie: The graph should show the points for each house clearly, so we can compare them. The line is wrong.

Teacher: Tell me some more about that.

Sophie: You can't join up the houses with a line like that. Each house has points, and [those points] belong with each house. It doesn't make sense to join them up together 'cos the points don't go from one house to another. It's the wrong sort of graph to show the house points. They should use a bar graph because it would clearly show the separate points for each house.