ZiloAcademy

✨ Grade 6 Maths — Statistical Investigation ✨

Name: Demo Grade 6 **Date:** 26/11/2026

1. Which display would best suit showing a runner's race time improving over a season: a bar graph, a line graph, or a pie chart?

2. To find out students' favourite subject across the whole school, would you use a survey or an observation?

3. To watch how a plant grows over several weeks, would you use a survey or an observation?

4. In a statistical investigation, the steps are: ask a question → collect data → represent the data → analyse the data → draw a conclusion. What step comes right after "analyse the data"?

5. In a statistical investigation, the steps are: ask a question → collect data → represent the data → analyse the data → draw a conclusion. What step comes right after "collect data"?

6. To record the temperature at the same time every day for a month, would you use a survey or an observation?

7. Which display would best suit showing how a town's population changed over 10 years: a bar graph, a line graph, or a pie chart?

8. Which display would best suit comparing the favourite sport of 4 different classes: a bar graph, a line graph, or a pie chart?

9. Which display would best suit showing what proportion of a budget goes to each category: a bar graph, a line graph, or a pie chart?

10. A class's mean test score was **69%**. Someone claims "most students scored above **84%**." Based only on the mean, is this claim well supported? Write "yes" or "no":