ZiloAcademy

✨ Grade 7 Maths — Statistical Investigation ✨

Name: Demo Grade 7 **Date:** 26/11/2026

1. The statistical investigation cycle is: formulate a question → collect data → represent the data → analyse the data → communicate a conclusion. What step comes right after "represent the data"?

2. Which display would best suit comparing the number of medals won by 6 different countries: a bar graph, a line graph, or a pie chart?

3. A survey's mean result was **59%**. Someone concludes "most respondents scored above **89%**." Based only on the mean, is this conclusion well supported? Write "yes" or "no":

4. The statistical investigation cycle is: formulate a question → collect data → represent the data → analyse the data → communicate a conclusion. What step comes right after "analyse the data"?

5. To track how a river's water level changes after heavy rain, would you use a survey or an observation?

6. Which display would best suit comparing the number of books read by 7 different classes: a bar graph, a line graph, or a pie chart?

7. A survey's mean result was **74%**. Someone concludes "most respondents scored above **90%**." Based only on the mean, is this conclusion well supported? Write "yes" or "no":

8. A survey's mean result was **70%**. Someone concludes "most respondents scored above **85%**." Based only on the mean, is this conclusion well supported? Write "yes" or "no":

9. A survey's mean result was **75%**. Someone concludes "most respondents scored above **92%**." Based only on the mean, is this conclusion well supported? Write "yes" or "no":

10. To find out how many hours each student spends on devices, would you use a survey or an observation?