

## Worksheet: Statistics

NIOS · Class 9 · Mathematics · 7 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** Find the mean of 25, 30, 35, 40, 45. [1 mark]

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**Q2.** Find the median of 11, 7, 14, 8, 21, 5, 17. [1 mark]

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**Q3.** Find the mode of 2, 3, 3, 4, 5, 3, 6, 7. [1 mark]

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**Q4.** The mean of 5 numbers is 18. If one number is added and the new mean becomes 20, find the added number. [2 marks]

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**Q5.** 20 students scored: 7, 8, 9, 7, 6, 8, 9, 5, 7, 8, 9, 7, 6, 5, 8, 9, 7, 7, 6, 8. Build a frequency table and find the mode. [3 marks]

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**Q6.** Explain the difference between a bar graph and a histogram. When would you use each? [2 marks]

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**Q7.** The mean of 30 observations is 20 and the mean of 20 other observations is 25. Find the combined mean of all 50 observations. *[3 marks]*

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