ZiloAcademy

✨ Grade 10 Maths — Comparing Distributions ✨

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

1. Class A box plot: min 19, Q1 34, median 46, Q3 60, max 74. Class B box plot: min 20, Q1 23, median 30, Q3 44, max 51. Which class has the larger range? (A or B)

2. Class A box plot: min 29, Q1 37, median 43, Q3 49, max 63. Class B box plot: min 16, Q1 29, median 39, Q3 51, max 67. Which class has the larger range? (A or B)

3. Class A box plot: min 43, Q1 45, median 51, Q3 65, max 71. Class B box plot: min 33, Q1 35, median 38, Q3 50, max 59. Which class has the larger range? (A or B)

4. Class A box plot: min 29, Q1 33, median 41, Q3 53, max 58. Class B box plot: min 14, Q1 25, median 37, Q3 51, max 67. Which class has the higher median? (A or B)

5. The mean is much greater than the median. Describe the shape of the distribution. (positively skewed, negatively skewed or symmetric)

6. Most values are high, with a long tail stretching to the left. Describe the shape of the distribution. (positively skewed, negatively skewed or symmetric)

7. Class A box plot: min 37, Q1 42, median 49, Q3 57, max 63. Class B box plot: min 22, Q1 31, median 39, Q3 50, max 53. Which class has the higher median? (A or B)

8. Class A box plot: min 16, Q1 21, median 30, Q3 39, max 42. Class B box plot: min 14, Q1 28, median 34, Q3 38, max 57. Which class has the larger range? (A or B)

9. Class A box plot: min 17, Q1 24, median 36, Q3 44, max 61. Class B box plot: min 8, Q1 20, median 32, Q3 37, max 57. Which class has the larger range? (A or B)

10. Class A box plot: min 34, Q1 41, median 45, Q3 60, max 73. Class B box plot: min 16, Q1 23, median 30, Q3 34, max 50. Which class has the larger range? (A or B)