ZiloAcademy

✨ Grade 10 Maths — Range, IQR & Standard Deviation ✨

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

1. Set A: 34, 36, 27, 39, 40, 34. Set B: 52, 22, 30, 9, 13, 19. Which set has the greater range? (A or B)

2. Set A: 22, 39, 39, 39, 29, 27. Set B: 41, 18, 47, 32, 53, 22. Which set has the greater range? (A or B)

3. Set A: 32, 21, 26, 35, 25, 30. Set B: 10, 55, 46, 53, 41, 59. Which set has the greater range? (A or B)

4. If every value is decreased by 10, what happens to the standard deviation? (increases, decreases or unchanged)

5. If every value is increased by 5, what happens to the standard deviation? (increases, decreases or unchanged)

6. Set A: 22, 27, 40, 24, 31, 36. Set B: 9, 10, 48, 18, 24, 15. Which set has the greater range? (A or B)

7. Set A: 31, 22, 22, 23, 34, 25. Set B: 58, 41, 49, 57, 26, 13. Which set has the greater range? (A or B)

8. Calculate the population standard deviation of: 26, 26, 26, 36, 36, 36

9. Calculate the population standard deviation of: 33, 33, 47, 47

10. Calculate the population standard deviation of: 15, 15, 15, 27, 27, 27