

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

1. 21, 3, 7, 34, 18, 9, 24, 28, 2, 47, 31

[A] minimum = 2; $Q_1 = 9$; $Q_2 = 24$; $Q_3 = 34$;
maximum = 47; range = 45; IQR = 25

[B] minimum = 2; $Q_1 = 3$; $Q_2 = 18$; $Q_3 = 28$;
maximum = 47; range = 45; IQR = 25

[C] minimum = 2; $Q_1 = 7$; $Q_2 = 21$; $Q_3 = 31$;
maximum = 47; range = 45; IQR = 24

[D] minimum = 2; $Q_1 = 8$; $Q_2 = 20$; $Q_3 = 33$;
maximum = 47; range = 45; IQR = 25

2. 30, 11, 20, 46, 25, 22, 33, 35, 4, 48, 42

[A] minimum = 4; $Q_1 = 16$; $Q_2 = 29$; $Q_3 = 41$;
maximum = 48; range = 44; IQR = 25

[B] minimum = 4; $Q_1 = 11$; $Q_2 = 25$; $Q_3 = 35$;
maximum = 48; range = 44; IQR = 24

[C] minimum = 4; $Q_1 = 22$; $Q_2 = 33$; $Q_3 = 46$;
maximum = 48; range = 44; IQR = 24

[D] minimum = 4; $Q_1 = 20$; $Q_2 = 30$; $Q_3 = 42$;
maximum = 48; range = 44; IQR = 22

3. 26, 8, 10, 43, 17, 13, 32, 36, 5, 49, 38

[A] minimum = 5; $Q_1 = 8$; $Q_2 = 17$; $Q_3 = 36$;
maximum = 49; range = 44; IQR = 28

[B] minimum = 5; $Q_1 = 10$; $Q_2 = 26$; $Q_3 = 38$;
maximum = 49; range = 44; IQR = 28

[C] minimum = 5; $Q_1 = 11$; $Q_2 = 25$; $Q_3 = 40$;
maximum = 49; range = 44; IQR = 29

[D] minimum = 5; $Q_1 = 13$; $Q_2 = 32$; $Q_3 = 43$;
maximum = 49; range = 44; IQR = 30

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

4. 23, 14, 15, 44, 19, 16, 27, 37, 12, 50, 41

[A] minimum = 12; $Q_1 = 14$; $Q_2 = 19$; $Q_3 = 37$;
maximum = 50; range = 38; IQR = 23

[B] minimum = 12; $Q_1 = 15$; $Q_2 = 23$; $Q_3 = 41$;
maximum = 50; range = 38; IQR = 26

[C] minimum = 12; $Q_1 = 16$; $Q_2 = 27$; $Q_3 = 44$;
maximum = 50; range = 38; IQR = 28

[D] minimum = 12; $Q_1 = 15$; $Q_2 = 27$; $Q_3 = 40$;
maximum = 50; range = 38; IQR = 25

5. 29, 9, 10, 45, 26, 24, 37, 39, 6, 46, 40

[A] minimum = 6; $Q_1 = 10$; $Q_2 = 29$; $Q_3 = 40$;
maximum = 46; range = 40; IQR = 30

[B] minimum = 6; $Q_1 = 15$; $Q_2 = 28$; $Q_3 = 41$;
maximum = 46; range = 40; IQR = 26

[C] minimum = 6; $Q_1 = 9$; $Q_2 = 26$; $Q_3 = 39$;
maximum = 46; range = 40; IQR = 30

[D] minimum = 6; $Q_1 = 24$; $Q_2 = 37$; $Q_3 = 45$;
maximum = 46; range = 40; IQR = 21

6. 30, 11, 12, 41, 29, 13, 31, 34, 5, 49, 39

[A] minimum = 5; $Q_1 = 13$; $Q_2 = 31$; $Q_3 = 41$;
maximum = 49; range = 44; IQR = 28

[B] minimum = 5; $Q_1 = 12$; $Q_2 = 30$; $Q_3 = 39$;
maximum = 49; range = 44; IQR = 27

[C] minimum = 5; $Q_1 = 11$; $Q_2 = 29$; $Q_3 = 34$;
maximum = 49; range = 44; IQR = 23

[D] minimum = 5; $Q_1 = 14$; $Q_2 = 27$; $Q_3 = 39$;
maximum = 49; range = 44; IQR = 25

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

7. 25, 14, 15, 47, 23, 22, 33, 42, 7, 48, 44

[A] minimum = 7; $Q_1 = 15$; $Q_2 = 25$; $Q_3 = 44$;
maximum = 48; range = 41; IQR = 29

[B] minimum = 7; $Q_1 = 16$; $Q_2 = 29$; $Q_3 = 43$;
maximum = 48; range = 41; IQR = 27

[C] minimum = 7; $Q_1 = 22$; $Q_2 = 33$; $Q_3 = 47$;
maximum = 48; range = 41; IQR = 25

[D] minimum = 7; $Q_1 = 14$; $Q_2 = 23$; $Q_3 = 42$;
maximum = 48; range = 41; IQR = 28

8. 21, 4, 16, 35, 20, 19, 27, 28, 2, 38, 32

[A] minimum = 2; $Q_1 = 4$; $Q_2 = 20$; $Q_3 = 28$;
maximum = 38; range = 36; IQR = 24

[B] minimum = 2; $Q_1 = 19$; $Q_2 = 27$; $Q_3 = 35$;
maximum = 38; range = 36; IQR = 16

[C] minimum = 2; $Q_1 = 16$; $Q_2 = 21$; $Q_3 = 32$;
maximum = 38; range = 36; IQR = 16

[D] minimum = 2; $Q_1 = 12$; $Q_2 = 22$; $Q_3 = 32$;
maximum = 38; range = 36; IQR = 20

9. 19, 6, 8, 45, 18, 17, 36, 40, 3, 50, 43

[A] minimum = 3; $Q_1 = 8$; $Q_2 = 19$; $Q_3 = 43$;
maximum = 50; range = 47; IQR = 35

[B] minimum = 3; $Q_1 = 17$; $Q_2 = 36$; $Q_3 = 45$;
maximum = 50; range = 47; IQR = 28

[C] minimum = 3; $Q_1 = 10$; $Q_2 = 26$; $Q_3 = 43$;
maximum = 50; range = 47; IQR = 33

[D] minimum = 3; $Q_1 = 6$; $Q_2 = 18$; $Q_3 = 40$;
maximum = 50; range = 47; IQR = 34

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

10. 24, 9, 11, 46, 14, 12, 28, 29, 7, 48, 31

[A] minimum = 7; $Q_1 = 9$; $Q_2 = 14$; $Q_3 = 29$;
maximum = 48; range = 41; IQR = 20

[B] minimum = 7; $Q_1 = 11$; $Q_2 = 24$; $Q_3 = 31$;
maximum = 48; range = 41; IQR = 20

[C] minimum = 7; $Q_1 = 11$; $Q_2 = 24$; $Q_3 = 36$;
maximum = 48; range = 41; IQR = 25

[D] minimum = 7; $Q_1 = 12$; $Q_2 = 28$; $Q_3 = 46$;
maximum = 48; range = 41; IQR = 34

11. 31, 12, 42, 10, 22, 43, 28, 29, 26, 33, 4, 6

[A] minimum = 4; $Q_1 = 11$; $Q_2 = 27$; $Q_3 = 32$;
maximum = 43; range = 39; IQR = 21

[B] minimum = 4; $Q_1 = 10$; $Q_2 = 26$; $Q_3 = 33$;
maximum = 43; range = 39; IQR = 23

[C] minimum = 4; $Q_1 = 12$; $Q_2 = 27$; $Q_3 = 31$;
maximum = 43; range = 39; IQR = 19

[D] minimum = 4; $Q_1 = 11$; $Q_2 = 26$; $Q_3 = 32$;
maximum = 43; range = 39; IQR = 21

12. 36, 14, 38, 13, 17, 45, 25, 30, 19, 37, 5, 7

[A] minimum = 5; $Q_1 = 14$; $Q_2 = 22$; $Q_3 = 36$;
maximum = 45; range = 40; IQR = 22

[B] minimum = 5; $Q_1 = 13$; $Q_2 = 19$; $Q_3 = 37$;
maximum = 45; range = 40; IQR = 24

[C] minimum = 5; $Q_1 = 13.5$; $Q_2 = 22$; $Q_3 = 36.5$;
maximum = 45; range = 40; IQR = 23

[D] minimum = 5; $Q_1 = 13.5$; $Q_2 = 19$; $Q_3 = 36.5$;
maximum = 45; range = 40; IQR = 23

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

13. 47, 18, 49, 9, 20, 50, 40, 46, 21, 48, 2, 8

- [A] minimum = 2; $Q_1 = 9$; $Q_2 = 21$; $Q_3 = 48$;
maximum = 50; range = 48; IQR = 39
- [B] minimum = 2; $Q_1 = 13.5$; $Q_2 = 21$; $Q_3 = 47.5$;
maximum = 50; range = 48; IQR = 34
- [C] minimum = 2; $Q_1 = 18$; $Q_2 = 30.5$; $Q_3 = 47$;
maximum = 50; range = 48; IQR = 29
- [D] minimum = 2; $Q_1 = 13.5$; $Q_2 = 30.5$; $Q_3 = 47.5$;
maximum = 50; range = 48; IQR = 34

14. 35, 16, 41, 15, 23, 44, 27, 34, 24, 39, 3, 11

- [A] minimum = 3; $Q_1 = 15.5$; $Q_2 = 25.5$; $Q_3 = 37$;
maximum = 44; range = 41; IQR = 21.5
- [B] minimum = 3; $Q_1 = 15.5$; $Q_2 = 24$; $Q_3 = 37$;
maximum = 44; range = 41; IQR = 21.5
- [C] minimum = 3; $Q_1 = 15$; $Q_2 = 24$; $Q_3 = 39$;
maximum = 44; range = 41; IQR = 24
- [D] minimum = 3; $Q_1 = 16$; $Q_2 = 25.5$; $Q_3 = 35$;
maximum = 44; range = 41; IQR = 19

15. 32, 12, 42, 10, 22, 43, 29, 31, 28, 33, 4, 6

- [A] minimum = 4; $Q_1 = 10$; $Q_2 = 28$; $Q_3 = 33$;
maximum = 43; range = 39; IQR = 23
- [B] minimum = 4; $Q_1 = 12$; $Q_2 = 28.5$; $Q_3 = 32$;
maximum = 43; range = 39; IQR = 20
- [C] minimum = 4; $Q_1 = 11$; $Q_2 = 28.5$; $Q_3 = 32.5$;
maximum = 43; range = 39; IQR = 21.5
- [D] minimum = 4; $Q_1 = 11$; $Q_2 = 28$; $Q_3 = 32.5$;
maximum = 43; range = 39; IQR = 21.5

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

16. 30, 14, 38, 13, 17, 45, 25, 26, 19, 37, 5, 7

[A] minimum = 5; $Q_1 = 13.5$; $Q_2 = 19$; $Q_3 = 33.5$;
maximum = 45; range = 40; IQR = 20

[B] minimum = 5; $Q_1 = 13.5$; $Q_2 = 22$; $Q_3 = 33.5$;
maximum = 45; range = 40; IQR = 20

[C] minimum = 5; $Q_1 = 13$; $Q_2 = 19$; $Q_3 = 37$;
maximum = 45; range = 40; IQR = 24

[D] minimum = 5; $Q_1 = 14$; $Q_2 = 22$; $Q_3 = 30$;
maximum = 45; range = 40; IQR = 16

17. 47, 18, 49, 9, 20, 50, 36, 46, 21, 48, 2, 8

[A] minimum = 2; $Q_1 = 13.5$; $Q_2 = 28.5$; $Q_3 = 47.5$;
maximum = 50; range = 48; IQR = 34

[B] minimum = 2; $Q_1 = 18$; $Q_2 = 28.5$; $Q_3 = 47$;
maximum = 50; range = 48; IQR = 29

[C] minimum = 2; $Q_1 = 13.5$; $Q_2 = 21$; $Q_3 = 47.5$;
maximum = 50; range = 48; IQR = 34

[D] minimum = 2; $Q_1 = 9$; $Q_2 = 21$; $Q_3 = 48$;
maximum = 50; range = 48; IQR = 39

18. 39, 23, 41, 16, 24, 44, 34, 35, 27, 40, 3, 11

[A] minimum = 3; $Q_1 = 23$; $Q_2 = 30.5$; $Q_3 = 39$;
maximum = 44; range = 41; IQR = 16

[B] minimum = 3; $Q_1 = 16$; $Q_2 = 27$; $Q_3 = 40$;
maximum = 44; range = 41; IQR = 24

[C] minimum = 3; $Q_1 = 19.5$; $Q_2 = 27$; $Q_3 = 39.5$;
maximum = 44; range = 41; IQR = 20

[D] minimum = 3; $Q_1 = 19.5$; $Q_2 = 30.5$; $Q_3 = 39.5$;
maximum = 44; range = 41; IQR = 20

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

19. 31, 12, 33, 10, 15, 43, 28, 29, 22, 32, 4, 6

[A] minimum = 4; $Q_1 = 12$; $Q_2 = 25$; $Q_3 = 31$;
maximum = 43; range = 39; IQR = 19

[B] minimum = 4; $Q_1 = 11$; $Q_2 = 22$; $Q_3 = 31.5$;
maximum = 43; range = 39; IQR = 20.5

[C] minimum = 4; $Q_1 = 10$; $Q_2 = 22$; $Q_3 = 32$;
maximum = 43; range = 39; IQR = 22

[D] minimum = 4; $Q_1 = 11$; $Q_2 = 25$; $Q_3 = 31.5$;
maximum = 43; range = 39; IQR = 20.5

20. 30, 14, 38, 13, 17, 42, 25, 26, 19, 37, 5, 7

[A] minimum = 5; $Q_1 = 13.5$; $Q_2 = 22$; $Q_3 = 33.5$;
maximum = 42; range = 37; IQR = 20

[B] minimum = 5; $Q_1 = 14$; $Q_2 = 22$; $Q_3 = 30$;
maximum = 42; range = 37; IQR = 16

[C] minimum = 5; $Q_1 = 13$; $Q_2 = 19$; $Q_3 = 37$;
maximum = 42; range = 37; IQR = 24

[D] minimum = 5; $Q_1 = 13.5$; $Q_2 = 19$; $Q_3 = 33.5$;
maximum = 42; range = 37; IQR = 20

21. 6.7, 4.4, 5.5, 3.3, 5, 4.1, 1.2, 4, 5.4, 8.1, 2.7, 1.4

22. 8.2, 5.3, 7.3, 4.2, 6.2, 5.1, 1.7, 4.5, 7.1, 8.3, 2.9, 2.4

23. 7, 4.9, 6.6, 3.6, 6.1, 4.6, 2.8, 3.8, 6.5, 8.4, 3.5, 3.2

24. 7.9, 5.9, 7.4, 2.5, 6.4, 4.8, 1.3, 4.7, 6.9, 8.5, 2.3, 2.1

25. 7.8, 6, 7.6, 5.2, 6.3, 5.8, 1.9, 5.6, 7.2, 8, 4.3, 2

Find the minimum and maximum values, quartiles, range, and interquartile range for the data set.

26. 7.5, 3.7, 6.8, 2.6, 3.9, 3.4, 1.5, 3, 5.7, 7.7, 2.2, 1.6

27. 5.5, 4.1, 5.4, 3.1, 4.4, 4, 1.2, 3.3, 5, 6.7, 2.7, 1.8

28. 8.2, 5.1, 8.1, 2.9, 7.1, 4.5, 1.4, 4.2, 7.3, 8.3, 2.4, 1.7

29. 6.6, 4.9, 6.2, 3.6, 5.3, 4.6, 2.8, 3.8, 6.1, 8.4, 3.5, 3.2

30. 7.9, 6.4, 7.4, 2.5, 6.5, 5.9, 1.3, 4.7, 7, 8.5, 2.3, 2.1

31. 170, 351, 265, 244, 334, 261, 275, 325, 114, 339, 149

32. 171, 369, 222, 182, 313, 221, 233, 241, 129, 356, 143

33. 180, 372, 240, 184, 355, 219, 259, 320, 136, 367, 154

34. 145, 385, 237, 146, 353, 226, 250, 273, 124, 363, 142

35. 179, 383, 248, 218, 374, 247, 358, 360, 117, 377, 166

36. 186, 388, 230, 189, 323, 227, 231, 281, 111, 387, 162

37. 176, 352, 268, 232, 328, 264, 278, 316, 112, 335, 157

38. 167, 387, 236, 181, 374, 215, 237, 266, 114, 384, 138

39. 170, 382, 233, 172, 356, 217, 268, 318, 123, 373, 130

40. 149, 365, 260, 176, 351, 212, 283, 346, 124, 362, 132