1. Mike, Shannon, Layla, and Rachel each recorded the grades they received on five tests in their math class in the table below.

Student	Test Scores				
	Test 1	Test 2	Test 3	Test 4	Test 5
Mike	83	73	70	89	61
Shannon	87	75	74	79	83
Layla	82	81	80	73	74
Rachel	84	74	69	80	79

What is the range of the student's scores?

- **A.** 29
- **B.** 25
- **C.** 28
- **D.** 31

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2. What is the range of the following set of numbers?

53.4, 40.8, 57, 50.4, 46.8, 47.4, 43.8, 60, 43.8

- **A.** 16.2
- **B.** 49.27
- **C.** 19.2
- **D.** 60

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4. The points scored by Melissa in eleven basketball games are listed below.

20, 19, 23, 26, 24, 20, 20, 21, 20, 17, 20

What is the interquartile range of the scores?

- **A.** 20
- **B.** 23
- **C.** 9
- **D.** 3

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5. What is the lower quartile, Q_1, of the following data set?

51, 46, 38, 59, 64, 71, 36, 71, 43, 66, 56, 31, 43, 59, 31

- **A.** 68
- **B.** 67
- **C.** 38
- **D.** 56

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7. Matt and Linda each start the year with 15 vacation days. The table below shows how many vacation days each of them had left at the end of each quarter.

	Jan. - Mar.	Apr. - June	July - Sept.	Oct. - Dec.
Matt	14	13	11	8
Linda	14	13	9	0

What is the difference between the interquartile ranges of Matt's remaining vacation days and Linda's remaining vacation days?

- **A.** 1 day
- **B.** 8 days
- **C.** 5 days
- **D.** 3.2 days

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8. What is the range of the following set of numbers?

30.4, 28.3, 38.2, 41.2, 35.3, 31.3, 28.4, 39.2, 25.4

- **A.** 41.2
- **B.** 33.08
- **C.** 13.8
- **D.** 15.8

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9. What is the range of the following set of numbers?

34.44, 32.84, 42.24, 43.24, 39.84, 33.84, 31.44, 40.24, 30.44

- **A.** 12.8
- **B.** 36.51
- **C.** 9.8
- **D.** 43.24

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10. Every year the county fair holds a grape-eating contest. The numbers of grapes eaten by thirteen contestants in 30 seconds are listed below.

65, 58, 74, 79, 77, 66, 67, 72, 63, 56, 64, 65, 74

What is the interquartile range of the set of data?

- **A.** 10
- **B.** 11
- **C.** 10.5
- **D.** 23

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11. What is the upper quartile, Q_3, of the following data set?

55, 51, 47, 60, 63, 71, 45, 66, 50, 65, 59, 39, 51, 59, 44

- **A.** 60
- **B.** 67
- **C.** 64
- **D.** 63

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12. The scores on Ms. Glowson's math tests are listed below.

66, 55, 83, 88, 86, 72, 76, 77, 56, 49, 60

What is the interquartile range of the scores?

- **A.** 83
- **B.** 56
- **C.** 27
- **D.** 39

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13. Kathleen has gathered all of her test scores for the semester. As a comparison, she asked her friend Joey for her test scores and put them into the table below.

Test Scores								
Kathleen	61	75	82	53	87	71	73	74
Joey	71	83	81	67	91	74	71	49

How does the range of Kathleen's test scores compare to the range of Joey's test scores?

- **A.** The range of Kathleen's scores is greater than the range of Joey's scores by 6 points.
- **B.** The range of Kathleen's scores is less than the range of Joey's scores by 12 points.
- **C.** The range of Kathleen's scores is greater than the range of Joey's scores by 8 points.
- **D.** The range of Kathleen's scores is less than the range of Joey's scores by 8 points.

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14. What is the upper quartile, Q_3, of the following data set?

43, 39, 33, 49, 53, 60, 32, 58, 37, 54, 47, 26, 37, 49, 28

- **A.** 53
- **B.** 49
- **C.** 61
- **D.** 64

17. What is the upper quartile, Q_3, of the following data set?

44, 39, 33, 51, 55, 60, 32, 59, 37, 56, 49, 28, 37, 51, 29

- **A.** 55
- **B.** 49
- **C.** 54
- **D.** 58