Stem-and-leaf plots and line plots worksheet – Grade 7

Grade 7 · Mixed level · 20 questions · **Version X5268**

Name: _____ Date: _____ Score: ___ / 20

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1. How many values are greater than 70?

Heights of seedlings (cm)

Stem	Leaf
6	1 5
7	0 6 9
8	0 2 2 3 5 8 8
9	3 5 6

Key: 6 | 1 means 61

Answer: _____

2. Find the median.

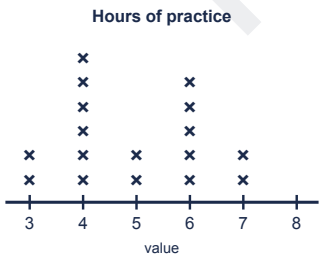
Scores in a game

Stem	Leaf
6	2 2 3 8
7	1 6
8	1
9	5 6

Key: 6 | 2 means 62

Answer: _____

3. Find the range.



Answer: _____

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4. Count them: how many values are there?

Heights of seedlings (cm)

Stem	Leaf
5	4 5
6	0 8
7	1
8	0 2 3 7

Key: 5 | 4 means 54

Answer: _____

5. How many values are there?

Heights of seedlings (cm)

Stem	Leaf
3	4 6 8 9
4	0 2 2 6 7 7
5	0 3 3
6	3 9

Key: 3 | 4 means 34

Answer: _____

6. Find how many values there are.

Heights of seedlings (cm)

Stem	Leaf
5	0 3 3 5 7
6	8 9
7	0 3 5
8	0 0 1 7 7

Key: 5 | 0 means 50

Answer: _____

7. Work out the range.

Marks on a test

Stem	Leaf
5	3
6	0 2 8
7	4 8 9
8	0 9

Key: 5 | 3 means 53

Answer: _____

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8. Work out the first quartile (Q1).

Heights of seedlings (cm)

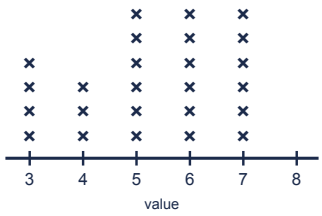
Stem	Leaf
3	1 2 3 5
4	2 6 7
5	5 9
6	0 0 1 2 2 7

Key: 3 | 1 means 31

Answer: _____

9. Work out the median.

Books read in a month



Answer: _____

10. Work out the third quartile (Q3).

Marks on a test

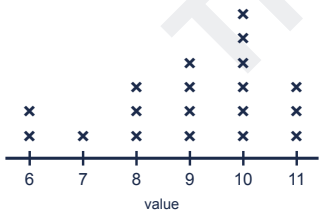
Stem	Leaf
2	0 2 4 8
3	5 6 6 8
4	3 6 7
5	1 4 5 6

Key: 2 | 0 means 20

Answer: _____

11. Work out the mode.

Hours of practice



Answer: _____

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12. What percent of the values are 56 or less, to the nearest percent?

Heights of seedlings (cm)

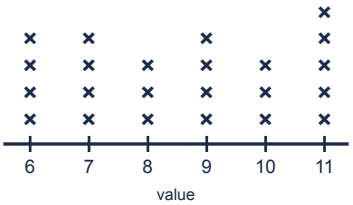
Stem	Leaf
3	0 9
4	1 3 6 6 9
5	6 7

Key: 3 | 0 means 30

Answer: _____

13. What is the median?

Hours of practice



Answer: _____

14. Find the interquartile range (IQR).

Marks on a test

Stem	Leaf
3	3 4 5 5 6 8 9
4	2 4
5	3 5 9
6	5 7 9

Key: 3 | 3 means 33

Answer: _____

15. The largest value is changed to 86. By how much does the mean go up, to one decimal place?

Heights of seedlings (cm)

Stem	Leaf
5	4 5 7 7 8
6	8
7	1 3 6

Key: 5 | 4 means 54

Answer: _____

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16. The largest value is increased by 10. What happens to the median?

Heights of seedlings (cm)

Stem	Leaf
2	2
3	6 7
4	3 9
5	0 1 9 9

Key: 2 | 2 means 22

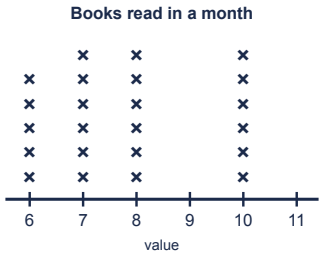
A. It stays the same **B.** It goes up by 10 **C.** It goes down **D.** It doubles

17. What percent of the values are 5 or more, to the nearest percent?



Answer: _____

18. Find the mean, to one decimal place.



Answer: _____

19. Kai adds a value below all the others and one above all the others. What is the new median?

Scores in a game

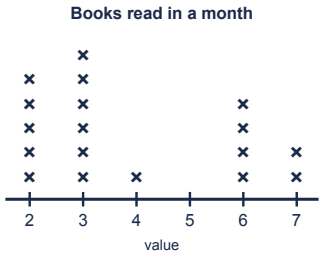
Stem	Leaf
1	0 0 4 8
2	4 6
3	4
4	0 1 2 3

Key: 1 | 0 means 10

Answer: _____

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20. What is the mean, to one decimal place?



Answer: _____

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Answer key · Version X5268

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1. **12**
2. **71**
3. **4**
4. **9**
5. **15**
6. **15**
7. **36**
8. **35**
9. **5**
10. **51**
11. **10**
12. **89%**
13. **9**
14. **24**
15. **1.1**
16. **A (It stays the same)**
17. **38%**
18. **7.8**
19. **26**
20. **3.9**

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