Mean, median, mode and range: find the missing number worksheet – Grade 7

Grade 7 · Mixed level · 20 questions · **Version X3273**

Name: _____ Date: _____ Score: ___ / 20

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1. What is the sum of 6 numbers with a mean of 30?

   Answer: _____

2. Find the sum of 5 numbers with a mean of 36.

   Answer: _____

3. The mean of 54, 56, 51, 52, 55, 63, 50 and one more number is 56. What is the missing number?

   Answer: _____

4. The mean of 18, 33, 23, 12 and one more number is 23. What is the missing number?

   Answer: _____

5. The range of a set is 24. Its largest value is 52. What is its smallest value?

   Answer: _____

6. Dev wants a mean of 28 over 7 quizzes. The first 6 marks are 23, 38, 39, 16, 24, 25. What mark is needed on the last quiz?

   Answer: _____

7. The mean of 17, 26, 14, 27, 22 and one more number is 19. What is the missing number?

   Answer: _____

8. A set has a median of 37, and every value is doubled. What is the new median?

   Answer: _____

9. In order, the values are 12, 16, x, 28. The median is 18. Find x.

   Answer: _____

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10. The mean of 3 numbers is 48 and the mean of 2 other numbers is 54. What is the mean of all 5, to one decimal place?

    Answer: _____

11. 5 numbers have a mean of 85. One number is removed and the mean of the rest is 91. What number was removed?

    Answer: _____

12. In order, the values are 29, 36, x, 57. The median is 39.5. Find x.

    Answer: _____

13. A set has a median of 33, and every value is doubled. What is the new median?

    Answer: _____

14. 8 numbers have a mean of 88. One number is removed and the mean of the rest is 93. What number was removed?

    Answer: _____

15. After 4 tests the mean is 74. What mark on the next test raises the mean by 4?

    Answer: _____

16. The mean of 8 numbers is 79. If 20 is added to one of them, what is the new mean, to one decimal place?

    Answer: _____

17. The mean of 8 numbers is 68. Each is increased by 4, then one more number equal to the new mean is added. What is the mean now?

    Answer: _____

18. A class of 45 has a mean of 83. 9 new students with a mean of 113 join. What is the new mean, to one decimal place?

    Answer: _____

19. After 5 tests the mean is 68. What mark on the next test raises the mean by 4?

    Answer: _____

20. A class of 30 has a mean of 70. 6 new students with a mean of 88 join. What is the new mean, to one decimal place?

    Answer: _____

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Answer key · Version X3273

Mean, median, mode and range: find the missing number worksheet – Grade 7 · Grade 7 · to reprint this sheet or check the answers, enter X3273 on the skill page.

1. **180**
2. **180**
3. **67**
4. **29**
5. **28**
6. **31**
7. **8**
8. **74**
9. **20**
10. **50.4**
11. **61**
12. **43**
13. **66**
14. **53**
15. **94**
16. **81.5**
17. **72**
18. **88**
19. **92**
20. **73**

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