Mean absolute deviation (MAD) worksheet – Grade 6

Grade 6 · Mixed level · 20 questions · **Version X6526**

Name: _____ Date: _____ Score: ___ / 20

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1. Work out the mean of 30, 27, 20, 31.

   Answer: _____

2. The mean of a data set is 14. How far is the value 17 from the mean?

   Answer: _____

3. The distances of four values from their mean are 7, 2, 1, 4. What is the mean absolute deviation?

   Answer: _____

4. Find the mean of 14, 18, 16, 12.

   Answer: _____

5. What is the mean of 19, 23, 18, 12?

   Answer: _____

6. The mean of a data set is 6. How far is the value 7 from the mean?

   Answer: _____

7. Work out the mean of 23, 22, 15, 20.

   Answer: _____

8. The points scored by a basketball player in 4 games were 8, 23, 5, 4 points. Find the mean absolute deviation.

   Answer: _____

9. The minutes spent on homework on 4 days were 16, 17, 16, 31 minutes. Find the mean absolute deviation.

   Answer: _____

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10. The kilometres run on 4 days were 28, 35, 32, 37 km. Find the mean absolute deviation.

    Answer: _____

11. The text messages sent on 4 days were 19, 29, 28, 28 messages. Find the mean absolute deviation.

    Answer: _____

12. The hours worked at a part-time job in 5 weeks were 12, 21, 16, 18, 23 hours. Find the mean absolute deviation.

    Answer: _____

13. The goals scored by a soccer team in 5 games were 20, 21, 28, 24, 17 goals. Find the mean absolute deviation.

    Answer: _____

14. The goals scored by a soccer team in 5 games were 23, 30, 29, 23, 25 goals. Find the mean absolute deviation.

    Answer: _____

15. The kilometres run on 10 days were 24, 28, 28, 28, 30, 21, 23, 25, 29, 24 km. Find the mean absolute deviation.

    Answer: _____

16. The hours worked at a part-time job in 5 weeks were 5, 10, 4, 11, 15 hours, with mean 9 and MAD 3.6. A sixth value of 9 is added. What happens to the MAD?

    A. It gets smaller **B.** It stays the same **C.** It gets larger

17. The text messages sent on 10 days were 58, 56, 53, 55, 36, 56, 52, 55, 54, 55 messages. Find the mean absolute deviation.

    Answer: _____

18. The goals scored by a soccer team in 8 games were 55, 58, 59, 53, 35, 59, 50, 55 goals. Find the mean absolute deviation.

    Answer: _____

19. The minutes spent on homework on 5 days were 23, 25, 27, 25, 30 minutes, with mean 26 and MAD 2. A sixth value of 26 is added. What happens to the MAD?

    A. It gets smaller **B.** It stays the same **C.** It gets larger

20. The points scored by a basketball player in 5 games were 30, 39, 37, 38, 36 points, with mean 36 and MAD 2.4. A sixth value of 36 is added. What happens to the MAD?

    A. It gets smaller **B.** It stays the same **C.** It gets larger

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Answer key · Version X6526

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1. **27**
2. **3**
3. **3.5**
4. **15**
5. **18**
6. **1**
7. **20**
8. **6.5**
9. **5.5**
10. **3**
11. **3.5**
12. **3.2**
13. **3.2**
14. **2.8**
15. **2.6**
16. **A (It gets smaller)**
17. **3.6**
18. **5.25**
19. **A (It gets smaller)**
20. **A (It gets smaller)**

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