Task card 1 Comparing Data Sets: Mean & MAD

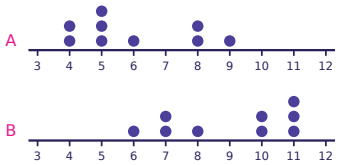
Find the mean of the data: 13, 15, 9, 3, 15.

Task card 2 Comparing Data Sets: Mean & MAD

The mean of the data is 8. Find the mean absolute deviation (MAD): 14, 10, 4, 6, 2, 5, 15.

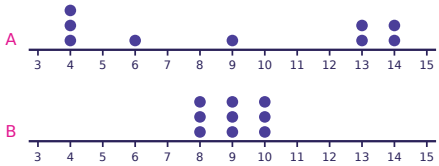
Task card 3 Comparing Data Sets: Mean & MAD

The dot plots show books read by students in two clubs. Which data set, A or B, has the greater mean?



Task card 4 Comparing Data Sets: Mean & MAD

The dot plots show two data sets with the same mean. Which data set, A or B, has the greater mean absolute deviation (more variability)?



Task card 5 Comparing Data Sets: Mean & MAD

The mean of the data is 25. Find the mean absolute deviation (MAD): 17, 23, 25, 30, 25, 29, 24, 27.

Task card 6 Comparing Data Sets: Mean & MAD

Set A: 28, 22, 22, 24, 24. Set B: 22, 17, 18, 23, 15. What is the difference between the means of the two sets (larger mean minus smaller mean)?

Task card 7 Comparing Data Sets: Mean & MAD

A study compares the test scores of two classes. Group A has a mean of 57 points and group B has a mean of 66 points. Both groups have a MAD of 3 points. The difference between the means is how many times the MAD?

Task card 8 Comparing Data Sets: Mean & MAD

A study compares the lengths of two kinds of fish. Group A has a mean of 47 centimeters and group B has a mean of 55 centimeters. Both groups have a MAD of 2 centimeters. The difference between the means is how many times the MAD?

Task card 9 Comparing Data Sets: Mean & MAD

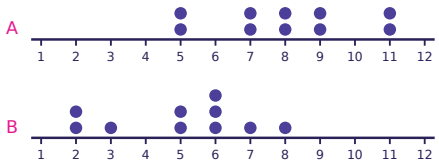
Find the mean of the data: 40, 47, 46, 34, 45, 51, 34, 47.

Task card 10 Comparing Data Sets: Mean & MAD

The mean of the data is 31. Find the mean absolute deviation (MAD): 37, 32, 29, 25, 29, 25, 40.

Task card 11 Comparing Data Sets: Mean & MAD

The dot plots show points scored by two basketball players in several games. Which data set, A or B, has the greater mean?



Task card 12 Comparing Data Sets: Mean & MAD

The mean of the data is 22. Find the mean absolute deviation (MAD): 27, 22, 27, 19, 20, 24, 15.

Task card 13 Comparing Data Sets: Mean & MAD

Set A: 8, 10, 12, 6, 14. Set B: 7, 5, 7, 4, 2. What is the difference between the means of the two sets (larger mean minus smaller mean)?

Task card 14 Comparing Data Sets: Mean & MAD

A study compares the test scores of two classes. Group A has a mean of 38 points and group B has a mean of 46 points. Both groups have a MAD of 4 points. The difference between the means is how many times the MAD?

Task card 15 Comparing Data Sets: Mean & MAD

A study compares the heights of players on two basketball teams. Group A has a mean of 50 inches and group B has a mean of 60 inches. Both groups have a MAD of 5 inches. The difference between the means is how many times the MAD?

Task card 16 Comparing Data Sets: Mean & MAD

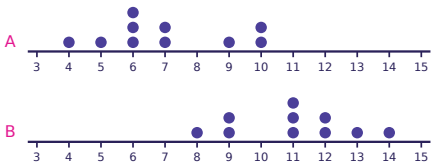
Find the mean of the data: 24, 25, 33, 27, 20, 26, 19, 18.

Task card 17 Comparing Data Sets: Mean & MAD

The mean of the data is 23. Find the mean absolute deviation (MAD): 32, 15, 14, 22, 26, 29, 23.

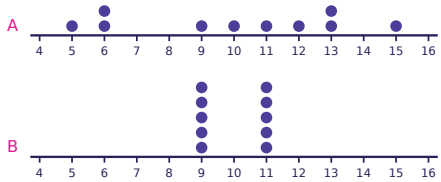
Task card 18 Comparing Data Sets: Mean & MAD

The dot plots show hours of sleep for students in two classes. Which data set, A or B, has the greater mean?



Task card 19 Comparing Data Sets: Mean & MAD

The dot plots show two data sets with the same mean. Which data set, A or B, has the greater mean absolute deviation (more variability)?



Task card 20 Comparing Data Sets: Mean & MAD

The mean of the data is 13. Find the mean absolute deviation (MAD): 15, 15, 22, 17, 6, 9, 7.

Task card 21 Comparing Data Sets: Mean & MAD

Set A: 21, 16, 16, 19, 24, 24. Set B: 15, 17, 11, 9, 14, 12. What is the difference between the means of the two sets (larger mean minus smaller mean)?

Task card 22 Comparing Data Sets: Mean & MAD

A study compares the heights of players on two basketball teams. Group A has a mean of 29 inches and group B has a mean of 37 inches. Both groups have a MAD of 4 inches. The difference between the means is how many times the MAD?

Task card 23 Comparing Data Sets: Mean & MAD

A study compares the heights of players on two basketball teams. Group A has a mean of 54 inches and group B has a mean of 62 inches. Both groups have a MAD of 2 inches. The difference between the means is how many times the MAD?

Task card 24 Comparing Data Sets: Mean & MAD

Find the mean of the data: 38, 37, 47, 44, 39.

Comparing Data Sets: Mean & MAD Task Cards

Recording sheet · Grade 7 · Answer each question. Round the MAD to the nearest tenth when needed. For comparison questions, answer A or B.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Comparing Data Sets: Mean & MAD Task Cards: Answer Key

Grade 7 · Hard

The answers online

1. 11	**2.** 4.3	**3.** B
4. A	**5.** 2.8	**6.** 5
7. 3	**8.** 4	**9.** 43
10. 4.6	**11.** A	**12.** 3.4
13. 5	**14.** 2	**15.** 2
16. 24	**17.** 5.1	**18.** B
19. A	**20.** 4.9	**21.** 7
22. 2	**23.** 4	**24.** 41