Task card 1 Comparing Data Sets: Mean & MAD

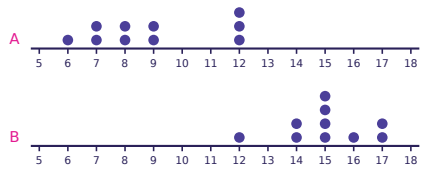
Find the mean of the data: 2, 4, 10, 9, 1, 10, 6.

Task card 2 Comparing Data Sets: Mean & MAD

The mean of the data is 11. Find the mean absolute deviation (MAD): 9, 15, 15, 10, 16, 7, 5.

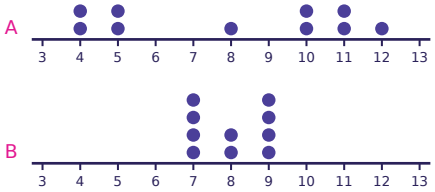
Task card 3 Comparing Data Sets: Mean & MAD

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



Task card 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 10. Find the mean absolute deviation (MAD): 9, 12, 9, 15, 5.

Task card 6 Comparing Data Sets: Mean & MAD

Set A: 15, 19, 20, 14. Set B: 9, 6, 11, 14. 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 weights of puppies of two breeds. Group A has a mean of 32 pounds and group B has a mean of 36 pounds. Both groups have a MAD of 2 pounds. The difference between the means is how many times the MAD?

Task card 8 Comparing Data Sets: Mean & MAD

Find the mean of the data: 9, 3, 16, 14, 3.

Task card 9 Comparing Data Sets: Mean & MAD

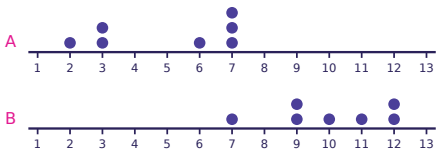
Find the mean of the data: 23, 19, 21, 18, 19.

Task card 10 Comparing Data Sets: Mean & MAD

The mean of the data is 15. Find the mean absolute deviation (MAD): 18, 12, 11, 19, 13, 20, 9, 18.

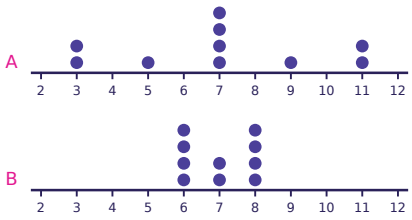
Task card 11 Comparing Data Sets: Mean & MAD

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



Task card 12 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 13 Comparing Data Sets: Mean & MAD

The mean of the data is 12. Find the mean absolute deviation (MAD): 5, 17, 6, 19, 13.

Task card 14 Comparing Data Sets: Mean & MAD

Set A: 14, 18, 12, 20. Set B: 18, 22, 17, 15. What is the difference between the means of the two sets (larger mean minus smaller mean)?

Task card 15 Comparing Data Sets: Mean & MAD

A study compares the weights of puppies of two breeds. Group A has a mean of 33 pounds and group B has a mean of 42 pounds. Both groups have a MAD of 3 pounds. The difference between the means is how many times the MAD?

Task card 16 Comparing Data Sets: Mean & MAD

A study compares the test scores of two classes. Group A has a mean of 32 points and group B has a mean of 40 points. Both groups have a MAD of 4 points. The difference between the means is how many times the MAD?

Task card 17 Comparing Data Sets: Mean & MAD

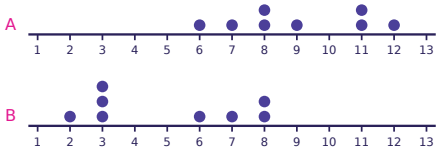
Find the mean of the data: 13, 13, 9, 5, 20.

Task card 18 Comparing Data Sets: Mean & MAD

The mean of the data is 19. Find the mean absolute deviation (MAD): 13, 26, 15, 16, 25.

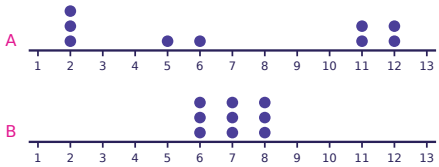
Task card 19 Comparing Data Sets: Mean & MAD

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 20 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 21 Comparing Data Sets: Mean & MAD

The mean of the data is 10. Find the mean absolute deviation (MAD): 8, 16, 12, 11, 6, 7.

Task card 22 Comparing Data Sets: Mean & MAD

Set A: 14, 7, 12, 11, 14, 8. Set B: 17, 18, 12, 18, 18, 13. What is the difference between the means of the two sets (larger mean minus smaller mean)?

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 43 inches and group B has a mean of 63 inches. Both groups have a MAD of 5 inches. The difference between the means is how many times the MAD?

Task card 24 Comparing Data Sets: Mean & MAD

A study compares the weights of puppies of two breeds. Group A has a mean of 39 pounds and group B has a mean of 54 pounds. Both groups have a MAD of 5 pounds. The difference between the means is how many times the MAD?

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 · Medium

The answers online

1. 6	**2.** 3.7	**3.** B
4. A	**5.** 2.8	**6.** 7
7. 2	**8.** 9	**9.** 20
10. 3.8	**11.** B	**12.** A
13. 5.2	**14.** 2	**15.** 3
16. 2	**17.** 12	**18.** 5.2
19. A	**20.** A	**21.** 3
22. 5	**23.** 4	**24.** 3