Name: _____

Comparing Populations with Mean and MAD

Answer each question.

Learn: Compare the centers (means) and the spreads (MADs). A difference of about 2 MADs or more is a big difference.

Example: Team A's mean score is 13 and Team B's mean score is 18. Both have a MAD of 4. How many MADs apart are the means?

Answer: $1\frac{1}{4}$ MADs

1. Team A's mean score is 26 and Team B's mean score is 21. Both have a MAD of 5. How many MADs apart are the means?

   Answer: _____

2. Team A's mean score is 20 and Team B's mean score is 18. Both have a MAD of 4. How many MADs apart are the means?

   Answer: _____

3. Team A's mean score is 19 and Team B's mean score is 20. Both have a MAD of 5. How many MADs apart are the means?

   Answer: _____

4. Team A's mean score is 15 and Team B's mean score is 16. Both have a MAD of 5. How many MADs apart are the means?

   Answer: _____

5. Team A's mean score is 22 and Team B's mean score is 15. Both have a MAD of 6. How many MADs apart are the means?

   Answer: _____

6. Team A's mean score is 15 and Team B's mean score is 30. Both have a MAD of 5. How many MADs apart are the means?

   Answer: _____

7. Team A's mean score is 17 and Team B's mean score is 22. Both have a MAD of 3. How many MADs apart are the means?

   Answer: _____

8. Team A's mean score is 29 and Team B's mean score is 10. Both have a MAD of 3. How many MADs apart are the means?

   Answer: _____

Name: **ANSWER KEY**

Comparing Populations with Mean and MAD

Answer each question.

Learn: Compare the centers (means) and the spreads (MADs). A difference of about 2 MADs or more is a big difference.

Example: Team A's mean score is 13 and Team B's mean score is 18. Both have a MAD of 4. How many MADs apart are the means?

Answer: $1\frac{1}{4}$ MADs

1. Team A's mean score is 26 and Team B's mean score is 21. Both have a MAD of 5. How many MADs apart are the means?

   Answer: 1 MADs

2. Team A's mean score is 20 and Team B's mean score is 18. Both have a MAD of 4. How many MADs apart are the means?

   Answer: $\frac{1}{2}$ MADs

3. Team A's mean score is 19 and Team B's mean score is 20. Both have a MAD of 5. How many MADs apart are the means?

   Answer: $\frac{1}{5}$ MADs

4. Team A's mean score is 15 and Team B's mean score is 16. Both have a MAD of 5. How many MADs apart are the means?

   Answer: $\frac{1}{5}$ MADs

5. Team A's mean score is 22 and Team B's mean score is 15. Both have a MAD of 6. How many MADs apart are the means?

   Answer: $1\frac{1}{6}$ MADs

6. Team A's mean score is 15 and Team B's mean score is 30. Both have a MAD of 5. How many MADs apart are the means?

   Answer: 3 MADs

7. Team A's mean score is 17 and Team B's mean score is 22. Both have a MAD of 3. How many MADs apart are the means?

   Answer: $1\frac{2}{3}$ MADs

8. Team A's mean score is 29 and Team B's mean score is 10. Both have a MAD of 3. How many MADs apart are the means?

   Answer: $6\frac{1}{3}$ MADs