

## Comparing Means and Medians

Name \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**Directions: Use the Information given to solve each problem.**

1. There are three different soccer teams that have played six games each. Mia wants to join the team that has the highest average goals per game so far.

	Team A	Team B	Team C
Game 1	2	4	5
Game 2	3	6	3
Game 3	1	2	4
Game 4	4	3	6
Game 5	5	5	2
Game 6	3	4	3

If she ranks each team by mean goals scored, which team would she join?

**Answer Choices:**

- A. She would join Team A, because its mean score is 3.  
B. She would join Team B, because its mean score is 4.  
C. She would join Team C, because its mean score is 5.  
D. She would join Team B, because its mean score is 2.
2. Three baseball teams have played five games each. Jason wants to join the team with the highest median score so far.

	Team X	Team Y	Team Z
Game 1	5	7	8
Game 2	6	8	5
Game 3	8	6	7
Game 4	7	9	6
Game 5	4	10	9

If he ranks each team by median score, which team would he join?

**Answer Choices:**

- A. He would join Team X, because its median score is 7.  
B. He would join Team Y, because its median score is 8.  
C. He would join Team Z, because its median score is 6.  
D. He would join Team Y, because its median score is 10.

3. Three volleyball teams have played four games each. Tara wants to join the team that has the highest average score per game so far.

	Team Red	Team Blue	Team Green
Game 1	18	22	20
Game 2	21	15	18
Game 3	24	25	19
Game 4	20	20	23

If she ranks each team by mean score, which team would she join?

**Answer Choices:**

- A. She would join Team Red, because its mean score is 20.75.  
B. She would join Team Blue, because its mean score is 22.  
C. She would join Team Green, because its mean score is 19.  
D. She would join Team Blue, because its mean score is 25.
4. Three swim teams have competed in five meets each. Paul wants to join the team with the highest median score so far.

	Team Alpha	Team Beta	Team Gamma
Meet 1	75	80	65
Meet 2	78	85	90
Meet 3	82	78	75
Meet 4	85	92	70
Meet 5	88	89	80

If he ranks each team by median score, which team would he join?

**Answer Choices:**

- A. He would join Team Alpha, because its median score is 85.  
B. He would join Team Beta, because its median score is 89.  
C. He would join Team Gamma, because its median score is 75.  
D. He would join Team Alpha, because its median score is 88.

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### Answer Key

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**B**

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**A**

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**B**