

Name: _____

Assessment Questions

Module 1.0: Softball vs. Baseball

1. Which of the following would NOT support the function of Softball?
 - a. Size/shape
 - b. Materials
 - c. Color
 - d. Texture
2. True or False: The Venn diagram is a good tool to compare and contrast a softball and baseball's properties.
3. To best understand the function of softball, baseball, golf ball and tennis ball, which is most important:
 - a. Internal properties
 - b. Close observation
 - c. Physical properties
 - d. Each of the above

Module 2.0: Evolution of a Softball Glove

1. True or False: Adding padding to the glove to protect a player's hand from a high energy throw/pitch is an example of technology.
2. Fill in the blank: The first softball glove was designed for _____ versus today's gloves that are designed more for _____.
(performance or protection)
3. Bonus: The earliest softball glove was:
 - a. A catcher's mitt
 - b. A baseball glove
 - c. A hockey glove
 - d. A rolled-up boxing glove

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Module 3.0: Forces in Softball

1. Fill in the blank: A line drive in softball has _____ energy than a ground ball.
 - a. Less
 - b. The same
 - c. More
 - d. Decreased

2. Fill in the blank: Gravity affects the ball _____ with a full swing than a bunt. (more or less)

3. True or False: Swing angle affects the motion of the ball.

Module 4.0: Is it a Ball or Strike?

1. Which of the following is NOT an example of Energy and Speed.
 - a. A ball rolling
 - b. A car changing speeds
 - c. A pitcher changing speeds
 - d. A player catching the ball

2. Which of the following is correct (< >)?
 - a. 40% Strikes > 60% Balls
 - b. 47 mph > 53 mph
 - c. 84 mph < 78 mph
 - d. 68% Strikes > 32% Balls

3. True or False: A pitcher that throws with more speed will be more accurate.

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Module 5.0: The Field of Play

1. A softball field includes the following:
 - a. Line segments
 - b. Angles
 - c. Parallel and Perpendicular lines
 - d. Points
 - e. None of the above
 - f. All of the above
2. Fill in the blank: There are _____ angles in triangles and squares. (common or uncommon)

Module 6.0: Be a Hitter!

1. Which player was most successful at the plate?

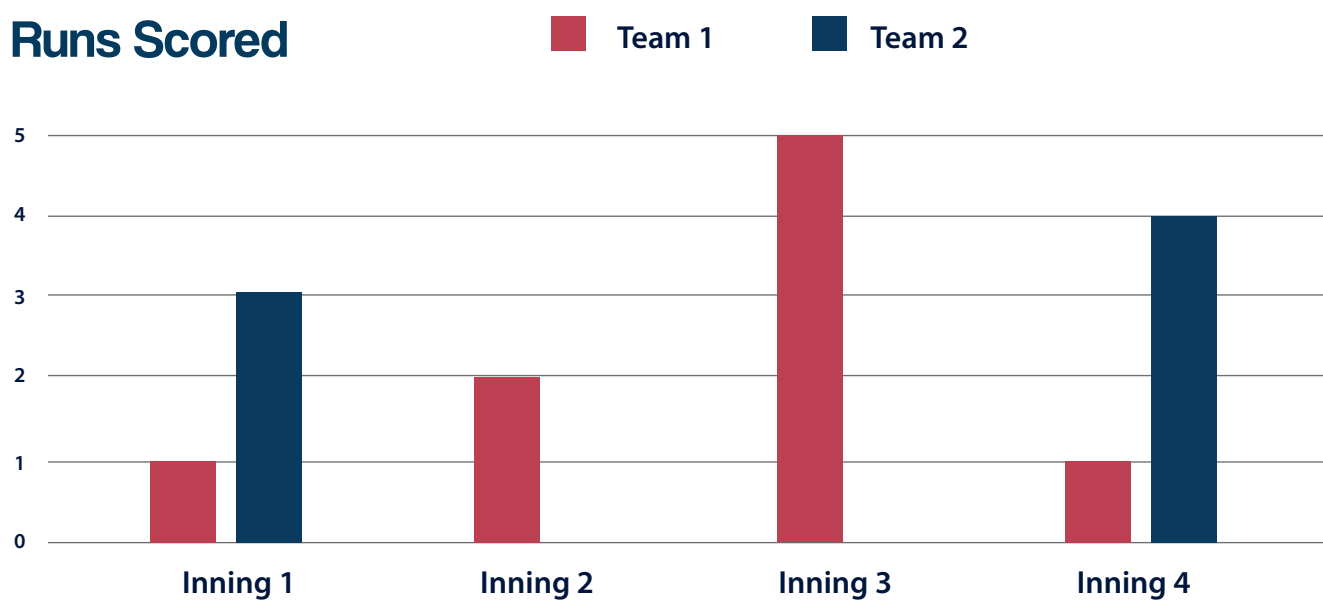
Player 1	3/10
Player 2	6/10
Player 3	4/10
Player 4	2/10

2. Which mathematical expression is true about how successful each player was based on the data table in question 1?
 - a. Player 3 < Player 2
 - b. Player 4 > Player 3
 - c. Player 1 < Player 2
 - d. Player 2 < Player 4
3. If a player has a 5/10 chance of hitting a home run, how many hits will he/she get if they try 20 times?
 - a. 12
 - b. 10
 - c. 8
 - d. 20

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Assessment Questions

Runs Scored



Module 7.0: Keeping Score

1. Based on the below bar graph, which team had the most runs over four innings?
 - a. Team 1
 - b. Team 2

2. Based on the above bar graph, what is the total number of runs Team 2 scored over the four innings?
 - a. 7
 - b. 2
 - c. 6
 - d. 12

3. Bonus: True or False: A softball game is only seven innings instead of nine innings in a baseball game.

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Module 8.0: Advancements in Softball

1. True or False: Technology, such as instant replay, has had both a positive and negative impact on the game of softball.

2. Which of the following is part of the Engineering Design Process?
 - a. Criteria and Constraints
 - b. Brainstorming
 - c. Improvements
 - d. Asking questions
 - e. All of the above
 - f. None of the above

3. Bonus: True or False: The MLB (Major League Baseball) Replay Command Center is located in New York.