

Please use the following resources to learn about Mean, Median and Mode.

Watch this Video: <https://www.youtube.com/watch?v=5C9LBF3b65s>

Answer these questions:

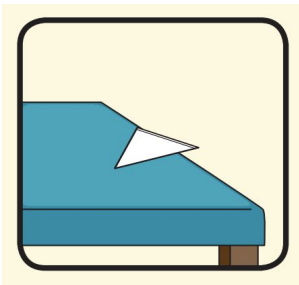
- How do you find the mean, or average, of a set of numbers?
- How do you find the median of a set of numbers?
- How do you find the mode of a set of numbers?

Activity: Follow these directions to play a tabletop game of football..

You will need:

<ul style="list-style-type: none"> • 2 pieces of paper 	<ul style="list-style-type: none"> • Pencil 	<ul style="list-style-type: none"> • Table • Lab partner
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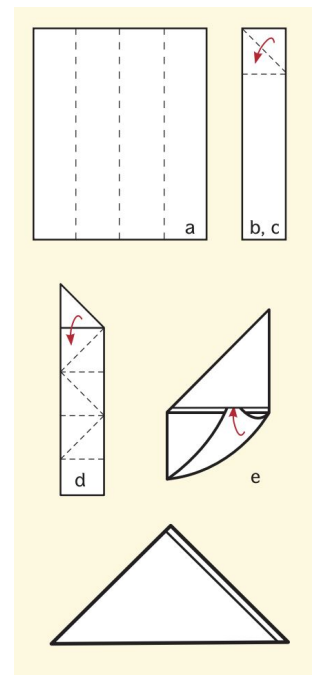
1. Make a paper football by folding one piece of paper into a small triangle (see picture on right).
2. Players sit on opposite sides of the table.
3. Begin play by placing the football at the center of the table (called the 50-yard line).
4. To score a touchdown, players take turns “flicking” the football with one finger, trying to make the ball stop on the opposite side of the table with part of the football hanging over the edge. (see picture on left)



5. Players take turns, one flick each, back and forth. If the “football” doesn’t reach the edge or if it goes too far and lands on the floor, it's the other person’s turn.

6. On the other piece of paper, keep track of the number of times that each player flicks the ball, and the number of times each player scores a touchdown. (see chart on the next page)

7. Play each game for 5 minutes.
8. Play 5 games. Keep your data for each game on separate charts.



Game _____	Player Name	Total number of flicks	Total number of touchdowns

9. Find the mean of each player's score (number of touchdowns).
10. Find the median number of flicks each player had during 1 game.
11. What is the mode for the number of flicks?

Make observations & use Claims, Evidence, and Reasoning!

1. **Claim:** To find the median of a set of numbers I had to put them in order.

- **Evidence:**

- **Reasoning:**

2. **Claim:** To find the mean of the numbers I had to add and divide.

- **Evidence:**

- **Reasoning:**