

Mean, Median, and Mode Game

Define.

Mean:

Median:

Mode

Directions: You will be playing 4 card games. You will be using cards Ace-10. Each game will tell you if you play alone, with a partner or with the class. Each game will tell you how many cards to draw from the deck. Once you draw your cards, place your cards in sequential order. Aces count as number 1. You then need to find the mean, median, and mode for each game. **If your mean contains a decimal, round to the nearest whole number. (Example: 4.3 rounds to 4 OR 5.6 rounds to 6). If your median is between two numbers, find the average of those two numbers. SHOW ALL YOUR WORK!**

Game 1: Alone---Draw 4 cards from the deck and find the mean, median, and mode.

Card 1:

Card 2:

Card 3:

Card 4:

Mean:

Median:

Mode:

Game 2: Alone---Draw 5 cards from the deck and find the mean, median, and mode.

Card 1:

Card 2:

Card 3:

Card 4:

Card 5:

Mean:

Median:

Mode:

Game 3: With a partner—Each partner draws 4 cards from the deck. Find the mean, median, and mode **of you and your partner together.**

Yours:

Card 1:

Card 2:

Card 3:

Card 4:

Partner:

Card 1:

Card 2:

Card 3:

Card 4:

Mean:

Median:

Mode

Game 4: The whole class---Each student will draw 3 cards from the deck. Find the mean, median, and mode of the classroom.

Student 1:

Card 1:

Card 2:

Card 3:

Student 2:

Card 1:

Card 2:

Card 3:

Student 3:

Card 1:

Card 2:

Card 3:

Student 4:

Card 1:

Card 2:

Card 3:

Student 5:

Card 1:

Card 2:

Card 3:

Student 6:

Card 1:

Card 2:

Card 3:

Mean:

Median:

Mode:

Explain when or where people may use:

Mean?

Median?

Mode?

Suggestions:

--On Game 3: the students could find the mean, median, and mode of their own set of cards, AND find the mean, median, and mode of your cards together. Make a prediction if your mean, median, and mode will be the same between your own and a partner.

--Predict the mean of your cards once you draw them.

--Extension: Red cards are single digit/ Black cards are in the teens.

Example: Red 4= 4 Black 4=14