02/27/2025 – Probability

Review of Unit 8 for Grade 7 Math (7R) – Fun theme: Game Day Questions to follow along with show. Watch: Math Homework Hotline

1) At the card game, 20% of the cards dealt were an Ace. If 8,000 of the dealt cards were not an Ace this week, how many total cards were there? (MA.7.DP.1.3)	 2) HOST wants to buy new dice for their game tables. They decide to purchase triple the number of dice for the number of students who chose dice as their favorite game. 30% of the students surveyed chose dice. Each dice costs \$2. If there are 2,000 surveyed, how much will HOST spend? (MA.7.DP.1.3)
3) The circle graph shows the percentage of fruit bought for the Game Day. If there were 65 oranges, how many total fruit were there? (MA.7.DP.1.4) Blueberries Oranges 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	 4) The number of playing chips in Jane's stack was as follows: 4 yellow chips, 5 blue chips, 6 black chips, 7 green chips, and 8 red chips What is the sample space? (MA.7.DP.2.1)

02/27/2025 – Probability

Review of Unit 8 for Grade 7 Math (7R) – Fun theme: Game Day Questions to follow along with show. Watch: <u>Math Homework Hotline</u>

5)	Alex had a deck of cards numbered 1 to 50. He randomly chose a card from the deck. Find P(a number divisible by 5). Classify the likelihood of the event. (MA.7.DP.2.2)	6) Sarah is playing a game where she rolls a fair six-sided die 90 times. How many times would you predict she rolls a 4? (MA.7.DP.2.3)
7)	The claw machine has 11 blue bears, 6 pink bears, and 13 yellow bears. What is the probability of randomly selecting a pink bear? (MA.7.DP.2.3)	8) Of the students who rode the bus to get to the Field Day, 279 were on time and 135 were late. What is the experimental probability of a student arriving on time? How does this compare to the theoretical probability? (MA.7.DP.2.4)
9)	The table below shows the board games people around you are playing. If there were to be 85 people in the room, approximately how many would you expect would be playing Blokus? (MA.7.DP.2.4) Monopoly 6 Blokus 4 Connect Four 2 Dominoes 5	10) You pick a card at random. 2 3 4 5 What is P(less than 4)? Classify the likelihood of the event. (MA.7.DP.2.2)