The Casino: The Lost City of Atlantic City









Read the column to the left and show your math thinking in the space provided.

SpongeBob and Patrick are playing a game. They each have 888 chips. How many chips do they have all together?

Crab is feeling disappointed. He was 1 of 100 players in a poker game. Two of the players in the game won \$1,000. Crab won only \$50.00. What percentage of the players won anything at all?

There are 5 players in SpongeBob's card game. They each have 4 cards. The dealer, who is running the game, has 5 cards. What is the probability that any player has to win?

SpongeBob won the jackpot! The payout was \$1,500,525 but The Lost City of Atlantic charges all it's winners tax on their prize. The tax is set at 13.5%. How much of SpongeBob's earnings will be paid in taxes?

SpongeBob is getting ready to meet his friends at the Casino. He buys 6 red chips, 6 green chips and 3 blue chips. Each one is worth \$24.00 except the blue, which is worth \$27.00. How much did he spend on chips? And what percentage of his chips are blue?











Standards:

7th - 8th Grade:

Math: 7.NS Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

Math: 7.RP Analyze proportional relationships and use them to solve real-world and mathematical problems.

Math: 8.SP Investigate patterns of association in bivariate data

Math: 8.NS Know that there are numbers that are not rational, and approximate them by rational numbers

