

# MATHCOUNTS<sup>®</sup> Problem of the Week Archive

## *Spring Training – April 1, 2024*

### ***Problems***

Luis plans to purchase some new baseball bats and gloves before spring training begins. Luis wants to buy the same bats and gloves he purchased last spring, but he can't remember the price of each item. Luis recalls making two purchases last spring, each totaling \$135 and both tax exempt. The first purchase was for a glove and three bats. The second purchase was for two gloves and a bat. If the current prices of these items are the same as last spring, how much will Luis pay this spring for three gloves and four bats?

Based on the information from the previous problem, how many bats can Luis purchase for the same amount he would pay for three gloves?

Luis has \$300 budgeted for the purchase of new baseball bats and gloves this spring. Luis needs to purchase a minimum of two new bats and two new gloves, and he wants to spend as much as possible of the budgeted amount. Based on the previous problems, what is the greatest number of bats Luis can purchase?