

MATHCOUNTS® Problem of the Week Archive

Thanksgiving – November 25, 2024

Problems

In 2020, the township of Pilgrim in Dade County, MO had a population of 131 residents, while Mayflower, AR had a population of 1984 residents. If a typical American consumes an average of 14.8 lbs of turkey each year, what is the positive difference between the total number of pounds of turkey consumed by Pilgrim residents and the total number of pounds of turkey consumed by Mayflower residents in 2020? Express your answer as a decimal to the nearest tenth.

In one year, 2.9 billion pounds of sweet potatoes were produced in the United States. If 8.5% of those sweet potatoes were produced in Louisiana, how many tons of sweet potatoes were produced in the United States outside of Louisiana? (Note: 1 ton = 2000 lbs)

One route from the city of Cranberry, PA to Cranberry Township, also in Pennsylvania, requires travelers to drive 25 miles south, then drive west for 27 miles and finally drive 38 miles south. What is the distance of a direct route from the city of Cranberry to Cranberry Township? Express your answer as a decimal to the nearest tenth.

