

Homework – System Applications #1

Band Competition The band boosters are organizing a trip to a national competition for the 226-member marching band. A bus will hold 70 students and their instruments. A van will hold 8 students and their instruments. A bus costs \$280 to rent for the trip. A van costs \$70 to rent for the trip. The boosters have \$980 to use for transportation. Use the verbal model below to write a system of equations whose solution is how many buses and vans should be rented. Solve the system.