

Santa and his 23 elves are planning to have hot dogs for dinner on the night before Christmas Eve (easy and fast- Santa and the elves are tired). Hot dogs come in packages of 12, and hot dog buns come in packages of 8.

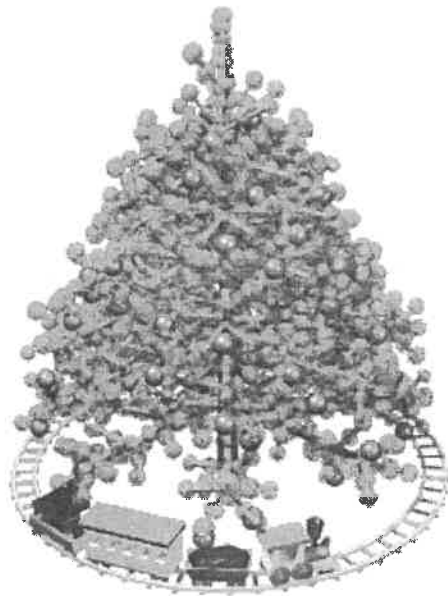
What is the smallest number of packages of hots dogs and the smallest number of packages of buns Santa can buy so that everyone including him gets the same number of hot dogs and buns and there are no leftovers? How many hot dogs and buns does each person get?



Two strings of Christmas lights are turned on at the same time. Both strings blink as they are turned on. One string blinks every 9 seconds. The other string blinks every 15 seconds. In how many seconds will they blink together again?



Rudolph Ramsey has four model trains running around his Christmas tree. One train makes a trip around the tree in 6 minutes, the second train takes 9 minutes, the third takes 15 minutes, and the fourth takes 18 minutes. Suppose at some time, the train engines are lined up. How many minutes will it take before the train engines return to this position?



Kris Kringle's uncle donated 120 bottles of egg nog and 90 candy canes for a school Christmas party. Each student is to receive the same number of bottles of egg nog and the same number of candy canes. What is the largest number of students who can come to the party and share the treats equally? How many bottles of egg nog and how many candy canes will each student receive?



Nick Saint is planning a holiday gathering for his friends. He has 36 pieces of fudge and 24 cookies. How many friends can he have at the party so that each friend gets an equal number of pieces of fudge and an equal number of cookies?



Two radio stations are playing Rocking Around the Christmas tree regularly. WMTH plays the song every 18 minutes. WMSU plays the song every 24 minutes. Both stations play the song at 3:00 p.m. When is the next time the stations will play the song at the same time? When is the next time they will both play the song at the top of the hour?



