

1. Jack and Dianne are "two American kids doin' the best that they can" to eat an entire grocery bag filled with boxes of Girl Scout Cookies (peanut butter are best). Jack, left to himself, can finish the entire bundle of cookies in 4 days. Dianne, by herself, needs 12 days to finish them. How many days will a bag last if they share?
2. Marianne drinks 5 quarts of spring water every 3 days. Her husband drinks one quart every day. One day when they are out of spring water, they buy 4 gallons (16 quarts). With both of them drinking from the 4 gallon supply, how long will it be before they run out again?
3. Lieutenant Whorf's pet Targh has gotten loose aboard the starship Enterprise and made a mess of 18 rooms. Commander Data has offered his assistance in the cleaning the rooms up. Data quickly computes in his head that it will take Whorf approximately 5 hours to clean 2 rooms, while Data believes he can clean 1 room every 2 hours. How long will it take them, if they work together, to clean all 18 rooms?