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**Greatest Common Factor Word Problems**

1. Students in the drama club had a party. They had 185 mini sandwiches and 148 brownies. The drama club shared the sandwiches and brownies equally. How many members could there be?
2. A farmer decided to divide his sheep and cattle among his sons. He had 45 head of sheep and 72 head of cattle. The division of animals came out even. What is the largest possible number of sons the farmer could have?
3. In a parade, one school band will march directly behind one another. All rows must have the same number of students. The first band has 36 students, and the second band has 60 students. What is the greatest number of students who can be in each row?
4. Jason is trying to make picnic lunches. He has 12 sandwiches, 18 apples and 30 pieces of candy. How many lunches can he make if he wants each lunch to have the same number of each kind of food and use all of the food?
5. Carolyn has 24 bottles of shampoo, 36 tubes of hand lotion, and 60 bars of lavender soap to make gift baskets. She wants to have the same number of each item in every basket. What is the greatest number of baskets she can make without having any of the items left over?
6. Kim packed 6 boxes with identical supplies. It was the greatest number she could pack and use all the supplies. Which of these is her supply list?
7. 24 pencils, 36 pens, 10 rulers
8. 12 rulers, 30 pencils, 45 pens
9. 42 pencils, 18 rulers, 72 pens
10. 60 pens, 54 pencils, 32 rulers