In the Mix

1. Rafael is buying food for party snacks. Granola comes in 4-ounce bags, banana chips come in 8-ounce bags, and raisins come in 12-ounce bags. What is the least number of ounces of granola, banana chips, and raisins he must buy if he wants to mix equal amounts of each ingredient?

2. Carmen is making candle table favors for a party. The candles come in boxes of 15 and the candleholders come in boxes of 9. What is the least number of candles and candleholders she needs without having any left over? How many boxes of each will Carmen need?

3. Marcus is making a mix of food for his guinea pig. He has several 6-ounce bags of pellets and several 9-ounce bags of dried vegetables. What is the least number of ounces of pellets and vegetables he must use if he wants to combine equal amounts using all of each bag he opens?

4. For a store promotion, Jenna is making gift bags containing a new shade of nail polish and a nail file. The nail polish comes in packages of 9; the nail files come in packages of 7. What is the least number of gift bags she can make without having any nail polish or nail files left over? How many packages of each will Jenna need?

5. Carl is ordering cups and straws for his lemonade stand. The cups come in packs of 11 and the straws come in packs of 9. If he wants an equal number of cups and straws, what is the least number of both that he could buy?