

Solve the Following Word Problems

1. A toy factory is producing toy cars, placing them in sets of 6. If there are 36 toy cars left to package, can they form complete sets?
2. Sarah is stacking books on shelves, some with page numbers divisible by 6 and some without. If she selects 18 books, how many of them will likely have page numbers divisible by 6?
3. A bakery is packaging cupcakes into boxes of 6. If they have 24 cupcakes remaining, can they fill another complete box?
4. John is counting a collection of marbles. If the total number of marbles is divisible by 6, can he distribute them equally among six friends?
5. A classroom is distributing pencils into sets of 9. If there are 45 pencils remaining, can they be evenly placed in complete sets?
6. A music store is arranging CDs, some with a total track count that's a multiple of 6 and some that's not. If they choose 30 CDs, how many of them will likely have a track count divisible by 6?

Solve the Following Word Problems

1. Alex is organizing a deck of cards, some with numbers divisible by 6 and some without. If he draws 21 cards, how many of them will likely have numbers divisible by 6?
2. A gardener is planting flowers in sets of 12. If there are 48 flowers left to plant, can they form complete sets?
3. A jewelry maker is organizing sets of necklaces, with each set containing 3 necklaces. If there are 39 necklaces left, can they form complete sets?
4. A construction site has boxes of nails, each containing 18 nails. If there are 54 nails left, can they be evenly divided into complete boxes?
5. Emma is sorting a pile of buttons. If she selects 36 buttons at random, how many of them will likely have a number of holes divisible by 6?
6. Mia is counting a stack of money, with some bills being multiples of 6 and others not. If she counts 42 bills, how many of them will likely be multiples of 6?