

Word Problems on Least Common Multiple

1) Tom has 24 baseball cards. He wants to divide them equally into 4 albums. How many cards will be in each album?

Answer: 6 cards

2) A bakery bakes three types of cakes. The first type is baked every 3 days, the second type every 5 days, and the third type every 7 days. When will all three types be baked on the same day?

Answer: _____

3) Jake runs a car wash. He cleans cars every 4 days, vans every 6 days, and trucks every 8 days. When will he wash all three types of vehicles on the same day?

Answer: _____

4) Emma is planning a garden with 36 flower bulbs. She wants to plant them in rows, with 6 bulbs in each row. How many rows will she need?

Answer: _____

5) A cycling club goes on rides. They have a short ride every 12 days, a medium ride every 15 days, and a long ride every 18 days. When will they have all three types of rides on the same day?

Answer: _____

6) Marie hosts a book club. They discuss fiction books every 5 days, non-fiction every 7 days, and mystery books every 9 days. When will they discuss all three genres on the same day?

Answer: _____

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7) Sarah collects stamps. She organizes her stamp collection every 8 days, cleans her stamp albums every 10 days, and reorders her stamp supplies every 12 days. When will she do all three activities together?

Answer: _____

8) There are 60 apples in a basket. If they want to pack them into boxes with 6 apples each, how many boxes will they fill?

Answer: _____

9) Emily is reading a book that has 120 pages. She wants to read an equal number of pages each day for a week. How many pages will she read each day?

Answer: _____

10) A candy store has 80 candies in total. They want to package them into bags of 8. How many bags will they need?

Answer: _____

11) Emily practices three different musical instruments. She practices the piano every 7 days, the guitar every 9 days, and the violin every 10 days. When will she practice all three instruments on the same day?

Answer: _____

12) There are 28 students in a class. If they want to form equal teams for a game and have no students left over, how many teams can they make?

Answer: _____