Problem-Solving Decision: Explain Your Solution

Solve. Explain how you found your solution.

1. On June 1, Meg and John went swimming. If Meg swims every third day, and John swims every fifth day, when will both swim together on the same day?

Show Your Work

2. Ryan’s class is doing a science lab. For this lab, the 26 students in his class will be put into groups of at most 4 students. Ryan says at least 7 groups are needed. Is he correct?

3. A librarian divided 58 books equally onto 6 shelves. She placed as many books as possible on each shelf. How many books did the librarian not put on a shelf?

4. Jackson has 18 tiles. How many ways can he arrange them in a rectangle?

5. Leona has 36 tiles. How many ways can she arrange them in a rectangle?