Solve each problem using a tape diagram.

1) A pet groomer has 56 customers scheduled for Monday and 30 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

2) A car salesman had 77 cars in one of his lots and 27 in another lot. He decided to move some cars from Lot 1 into Lot 2 so that Lot 2 looked fuller. How many cars should he move so that each lot has the same amount?

3) During gym class Team 1 had 97 students and Team 2 had 27 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

4) Robin and her friend had two piles of candy. Robin's pile had 42 pieces and her friend had 76 pieces. How many pieces would her friend have to give Robin so that they both had the same amount?

5) Roger had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 58 collectibles and the other had 28. How many should he move so that each case has the same amount?

Answers

1. 
2. 
3. 
4. 
5. 

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\[ \text{Monday} \quad 56 \quad \text{Tuesday} \]

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\[ \text{Friend} \quad 76 \quad \text{Robin} \]

5) Roger had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 58 collectibles and the other had 28. How many should he move so that each case has the same amount?

\[ \text{Case 1} \quad 58 \quad \text{Case 2} \]