Sharing With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) Janet and her friend had two piles of candy. Janet's pile had 40 pieces and her friend had 76 pieces. How many pieces would her friend have to give Janet so that they both had the same amount?

Ex. _____**18**_____

1. _____

2. _____

3. _____

1) There are 95 sodas on the top shelf and 33 sodas on the bottom shelf. How many sodas should be moved from the top shelf to the bottom shelf so that each shelf has the same amount?

4. _____

2) Mike had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 83 collectibles and the other had 39. How many should he move so that each case has the same amount?
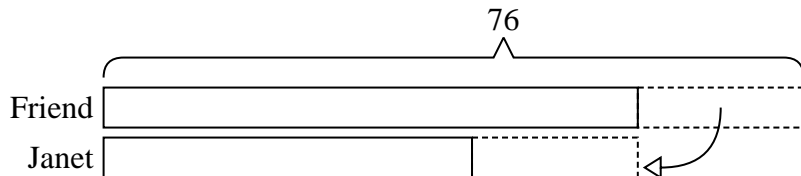
3) A pet groomer has 76 customers scheduled for Monday and 50 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

4) In high school 100 students signed up for the morning art class and 22 signed up for the afternoon class. How many students should be moved from the morning to afternoon so that each class has the same number of students?
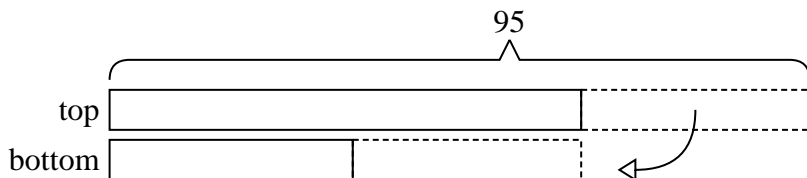
Answer Key

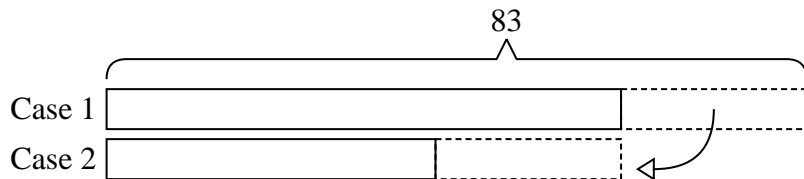**Solve each problem using a tape diagram.**

Ex) Janet and her friend had two piles of candy. Janet's pile had 40 pieces and her friend had 76 pieces. How many pieces would her friend have to give Janet so that they both had the same amount?
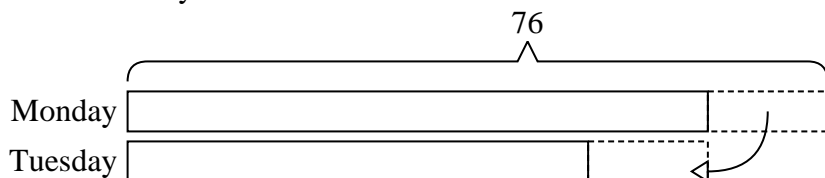
Ex. **18**

76

Friend

Janet

1. **31**

1) There are 95 sodas on the top shelf and 33 sodas on the bottom shelf. How many sodas should be moved from the top shelf to the bottom shelf so that each shelf has the same amount?
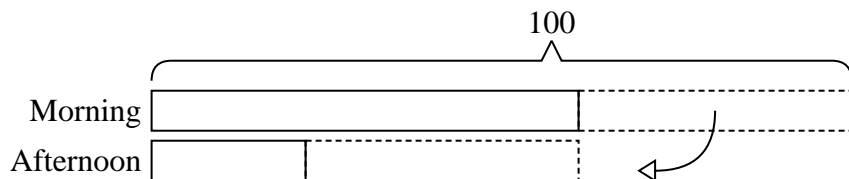
2. **22**

3. **13**

4. **39**

95

top

bottom

2) Mike had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 83 collectibles and the other had 39. How many should he move so that each case has the same amount?

83

Case 1

Case 2

3) A pet groomer has 76 customers scheduled for Monday and 50 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

76

Monday

Tuesday

4) In high school 100 students signed up for the morning art class and 22 signed up for the afternoon class. How many students should be moved from the morning to afternoon so that each class has the same number of students?

100

Morning

Afternoon