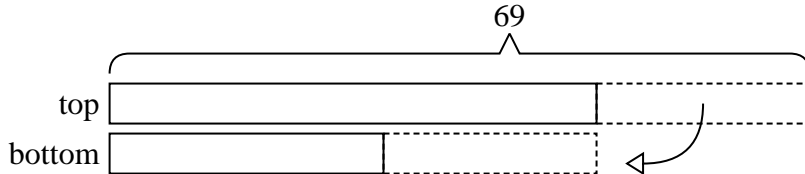# Sharing With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) There are 69 sodas on the top shelf and 27 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?

Ex. _____**21**_____

```
              69
       _____
top   |        |         |
      |_____|_ _ _ _ _|
bottom|     |    |
      |_____|_ _ _|  ⤶
```

1. _____

1) A car salesman had 94 cars in one of his lots and 32 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?

2. _____

3. _____

4. _____

5. _____

2) In high school 78 students signed up for the morning art class and 44 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?

3) A pet groomer has 75 customers scheduled for Monday and 37 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?
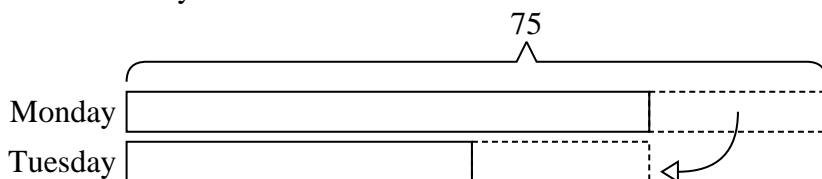
4) Gwen and her friend had two piles of candy. Gwen's pile had 35 pieces and her friend had 77 pieces. How many pieces would her friend have to give Gwen so that they both had the same amount?

5) During gym class Team 1 had 67 students and Team 2 had 29 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

Answer Key
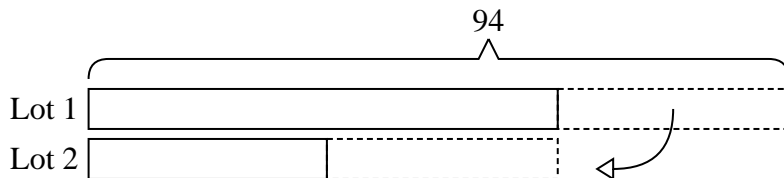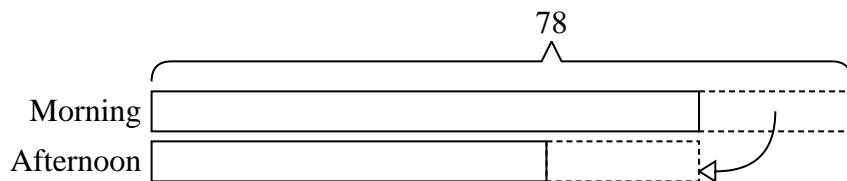
Solve each problem using a tape diagram.

Ex) There are 69 sodas on the top shelf and 27 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?

Ex. **21**

69

top

bottom

1) A car salesman had 94 cars in one of his lots and 32 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?

1. **31**

94

Lot 1

Lot 2

2) In high school 78 students signed up for the morning art class and 44 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?
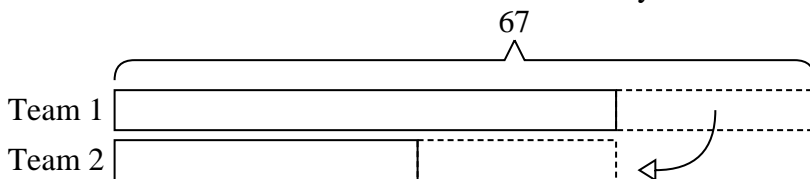
2. **17**

78

Morning

Afternoon

3) A pet groomer has 75 customers scheduled for Monday and 37 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

3. **19**

75

Monday

Tuesday

4) Gwen and her friend had two piles of candy. Gwen's pile had 35 pieces and her friend had 77 pieces. How many pieces would her friend have to give Gwen so that they both had the same amount?

4. **21**

77

Friend

Gwen

5) During gym class Team 1 had 67 students and Team 2 had 29 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

5. **19**

67

Team 1

Team 2

Math

| 1-5 | 80 | 60 | 40 | 20 | 0 |