Solve each problem using a tape diagram.

Ex) In high school 62 students signed up for the morning art class and 30 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?

Ex. _____**16**_____

1. _____

2. _____

3. _____

1) A car salesman had 55 cars in one of his lots and 31 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?

4. _____

2) Olivia and her friend had two piles of candy. Olivia's pile had 27 pieces and her friend had 87 pieces. How many pieces would her friend have to give Olivia so that they both had the same amount?
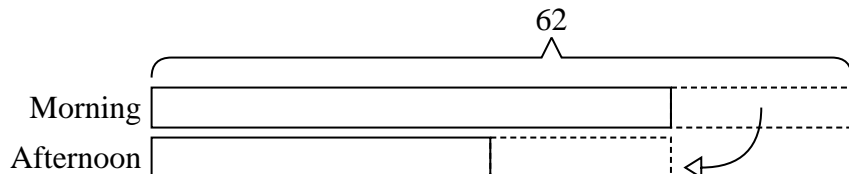
3) There are 67 sodas on the top shelf and 25 sodas on the bottom shelf. How many sodas should be moved from the top shelf to the bottom shelf so that each shelf has the same amount?

4) There are 99 sodas on the top shelf and 23 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?
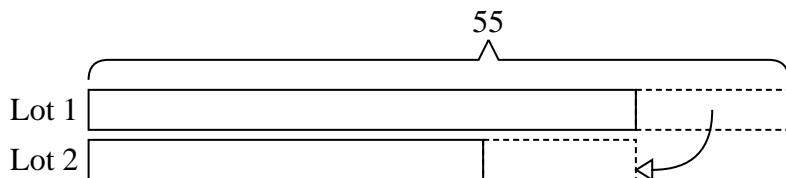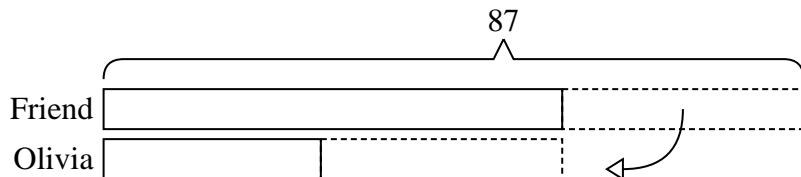
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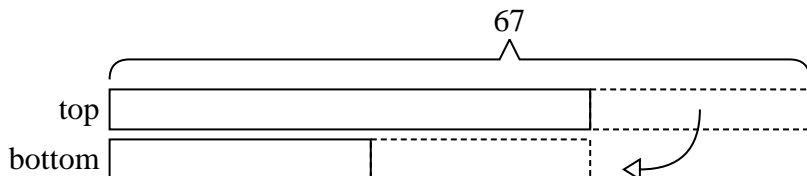
Ex. _____ **16**

62

Morning

Afternoon

1. _____ **12**

2. _____ **30**

3. _____ **21**

1) A car salesman had 55 cars in one of his lots and 31 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?
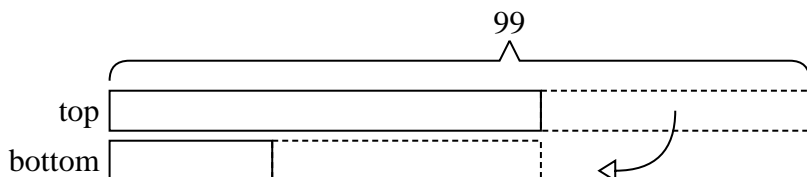
4. _____ **38**

55

Lot 1

Lot 2

2) Olivia and her friend had two piles of candy. Olivia's pile had 27 pieces and her friend had 87 pieces. How many pieces would her friend have to give Olivia so that they both had the same amount?

87

Friend

Olivia

3) There are 67 sodas on the top shelf and 25 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?

67

top

bottom

4) There are 99 sodas on the top shelf and 23 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?

99

top

bottom