



Solve each problem using a tape diagram.

Ex) Kaleb had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 77 collectibles and the other had 35. How many should he move so that each case has the same amount?

AnswersEx. 21

1. _____

2. _____

3. _____

4. _____

1) During gym class Team 1 had 72 students and Team 2 had 26 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

2) A store had 2 employees scheduled for the week. Robin was scheduled to work for 49 hours and George was scheduled for 99 hours. How fewer hours should George work so that he and Robin work the same number of hours?

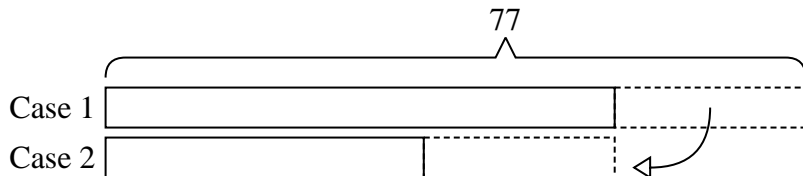
3) A car salesman had 57 cars in one of his lots and 37 in another lot. He decided to move some cars from Lot 1 into Lot 2 so that Lot 2 looked fuller. How many cars should he move so that each lot has the same amount?

4) During gym class Team 1 had 98 students and Team 2 had 22 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

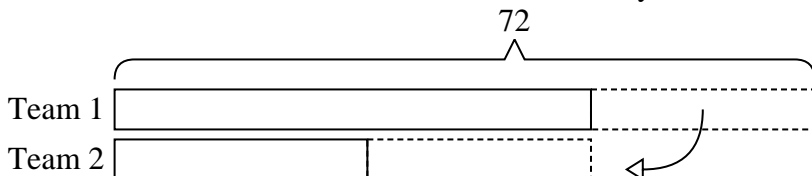


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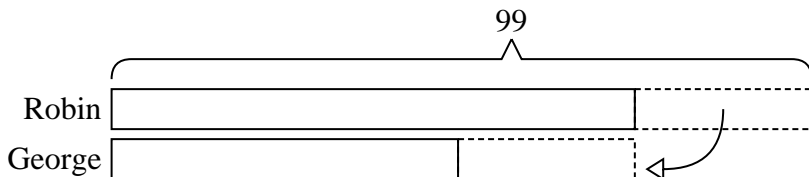
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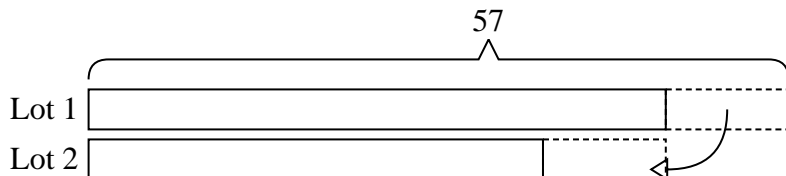
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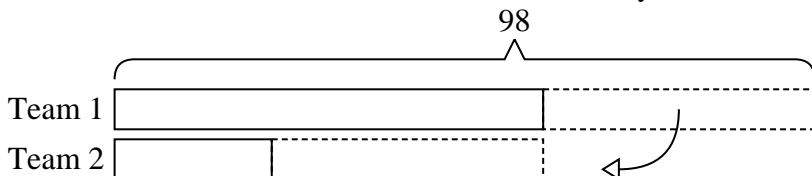
2) A store had 2 employees scheduled for the week. Robin was scheduled to work for 49 hours and George was scheduled for 99 hours. How fewer hours should George work so that he and Robin work the same number of hours?



3) A car salesman had 57 cars in one of his lots and 37 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) During gym class Team 1 had 98 students and Team 2 had 22 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?



Answers

Ex. 21

1. 23

2. 25

3. 10

4. 38



Solve each problem using a tape diagram.

Ex) During gym class Team 1 had 91 students and Team 2 had 45 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

AnswersEx. 23

1. _____

2. _____

3. _____

4. _____

1) A car salesman had 58 cars in one of his lots and 38 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) Carol and her friend had two piles of candy. Carol's pile had 40 pieces and her friend had 88 pieces. How many pieces would her friend have to give Carol so that they both had the same amount?

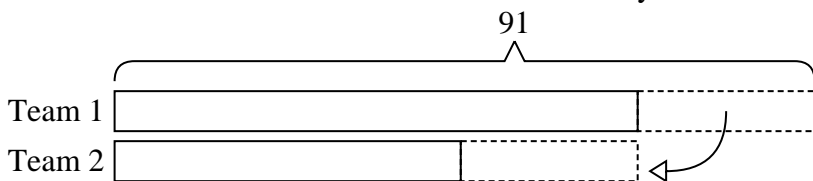
3) There are 63 sodas on the top shelf and 33 sodas on the bottom shelf. How many sodas should be moved from the top shelf to the bottom shelf so that each shelf has the same amount?

4) A pet groomer has 69 customers scheduled for Monday and 49 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?



Solve each problem using a tape diagram.

Ex) During gym class Team 1 had 91 students and Team 2 had 45 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?



Answers

Ex. 23

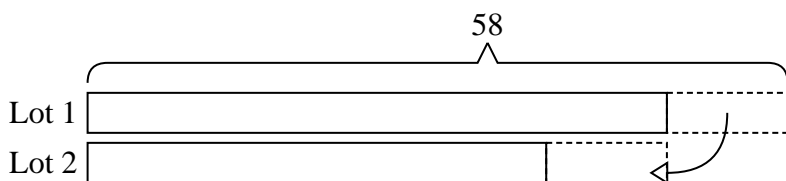
1. 10

2. 24

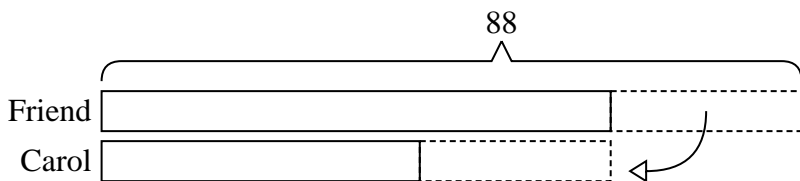
3. 15

4. 10

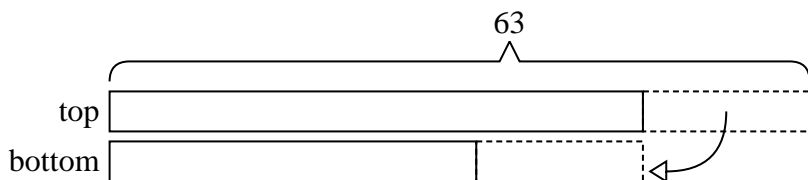
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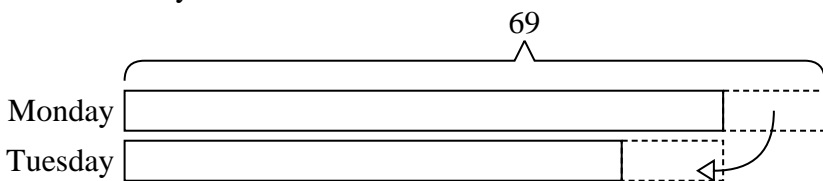
2) Carol and her friend had two piles of candy. Carol's pile had 40 pieces and her friend had 88 pieces. How many pieces would her friend have to give Carol so that they both had the same amount?



3) There are 63 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) A pet groomer has 69 customers scheduled for Monday and 49 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?





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?

AnswersEx. 16

1. _____

2. _____

3. _____

4. _____

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?

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?

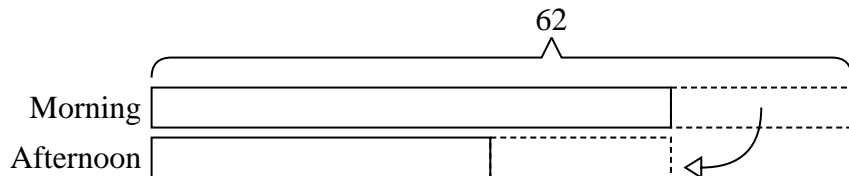
3) There are 67 sodas on the top shelf and 25 sodas on the bottom shelf. How many sodas should be moved from the top shelf to the bottom shelf so that each shelf has the same amount?

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?

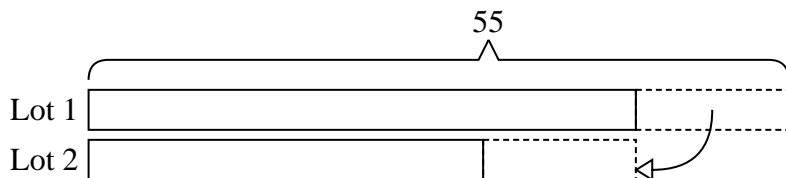


Solve each problem using a tape diagram.

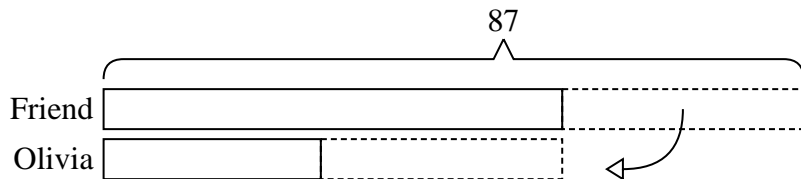
- Ex) In high school 62 students signed up for the morning art class and 30 signed up for the afternoon class. How many students should be moved from the morning to afternoon so that each class has the same number of students?



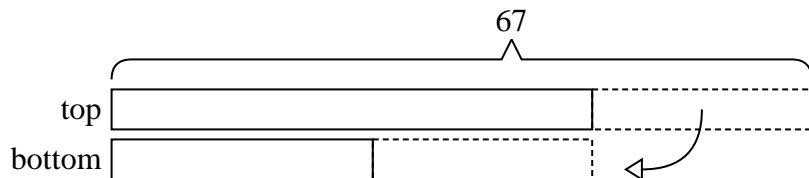
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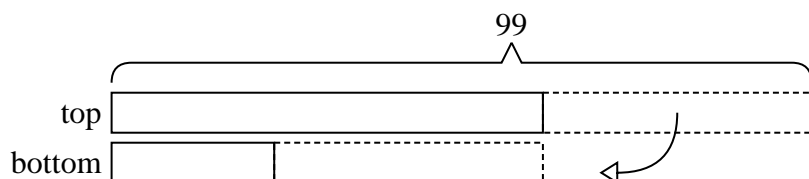
- 2) Olivia and her friend had two piles of candy. Olivia's pile had 27 pieces and her friend had 87 pieces. How many pieces would her friend have to give Olivia so that they both had the same amount?



- 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?

AnswersEx. 161. 122. 303. 214. 38



Solve each problem using a tape diagram.

- Ex) In high school 94 students signed up for the morning art class and 50 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?
- 1) A store had 2 employees scheduled for the week. Gwen was scheduled to work for 41 hours and Kaleb was scheduled for 67 hours. How fewer hours should Kaleb work so that he and Gwen work the same number of hours?
- 2) Victor had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 72 collectibles and the other had 20. How many should he move so that each case has the same amount?
- 3) A pet groomer has 83 customers scheduled for Monday and 27 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) There are 85 sodas on the top shelf and 39 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?

AnswersEx. 22

1. _____

2. _____

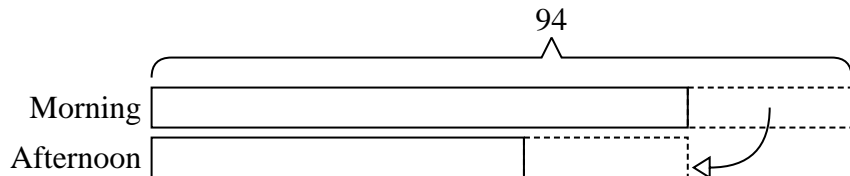
3. _____

4. _____

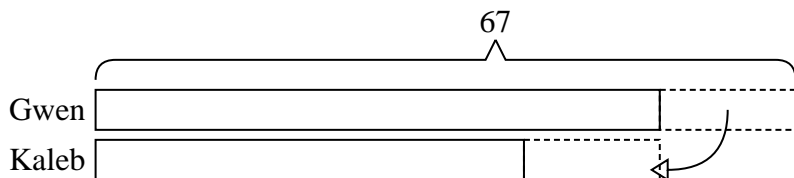


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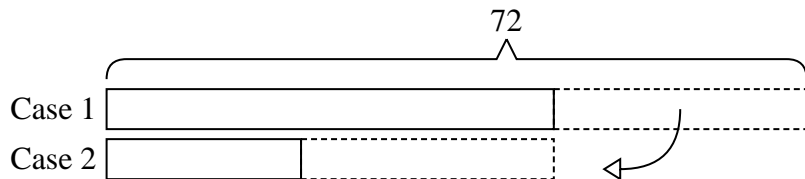
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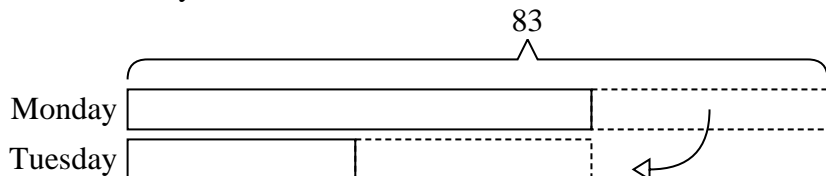
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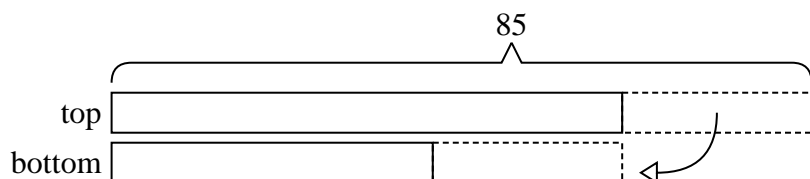
- 2) Victor had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 72 collectibles and the other had 20. How many should he move so that each case has the same amount?



- 3) A pet groomer has 83 customers scheduled for Monday and 27 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) There are 85 sodas on the top shelf and 39 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?

**Answers**Ex. 221. 132. 263. 284. 23



Solve each problem using a tape diagram.

Ex) There are 76 sodas on the top shelf and 48 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?

AnswersEx. 14

1. _____

2. _____

3. _____

4. _____

1) Amy and her friend had two piles of candy. Amy's pile had 22 pieces and her friend had 58 pieces. How many pieces would her friend have to give Amy so that they both had the same amount?

2) A store had 2 employees scheduled for the week. Rachel was scheduled to work for 49 hours and Sam was scheduled for 85 hours. How fewer hours should Sam work so that he and Rachel work the same number of hours?

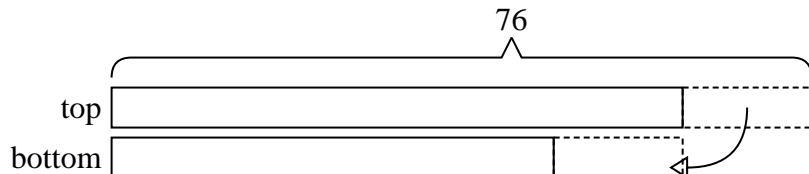
3) In high school 66 students signed up for the morning art class and 46 signed up for the afternoon class. How many students should be moved from the morning to afternoon so that each class has the same number of students?

4) A car salesman had 72 cars in one of his lots and 46 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?

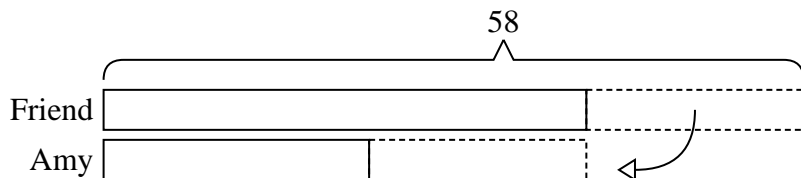


Solve each problem using a tape diagram.

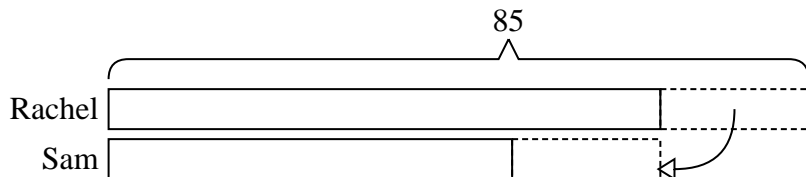
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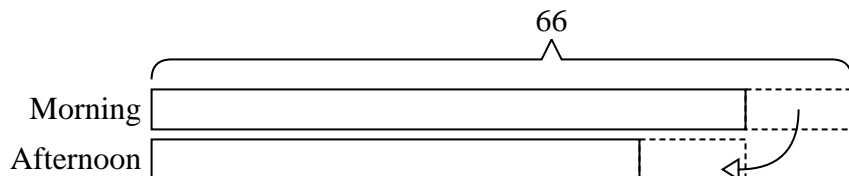
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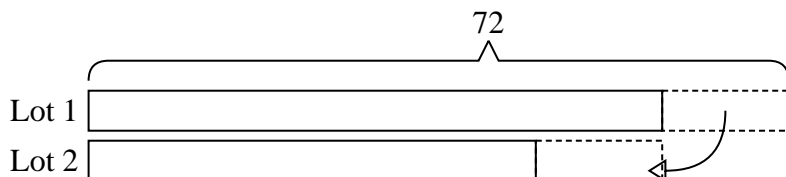
- 2) A store had 2 employees scheduled for the week. Rachel was scheduled to work for 49 hours and Sam was scheduled for 85 hours. How fewer hours should Sam work so that he and Rachel work the same number of hours?



- 3) In high school 66 students signed up for the morning art class and 46 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?



- 4) A car salesman had 72 cars in one of his lots and 46 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?

AnswersEx. 141. 182. 183. 104. 13



Solve each problem using a tape diagram.

Ex) A car salesman had 89 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?

AnswersEx. 29

1. _____

2. _____

3. _____

4. _____

1) During gym class Team 1 had 45 students and Team 2 had 25 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

2) A pet groomer has 71 customers scheduled for Monday and 33 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

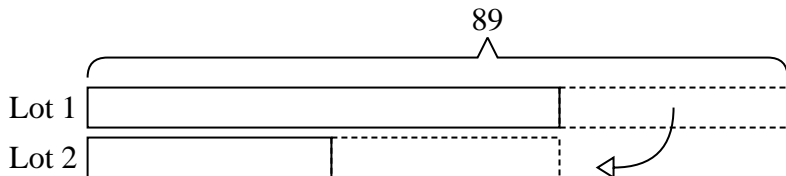
3) A store had 2 employees scheduled for the week. Vanessa was scheduled to work for 40 hours and Oliver was scheduled for 76 hours. How fewer hours should Oliver work so that he and Vanessa work the same number of hours?

4) Maria and her friend had two piles of candy. Maria's pile had 35 pieces and her friend had 91 pieces. How many pieces would her friend have to give Maria so that they both had the same amount?

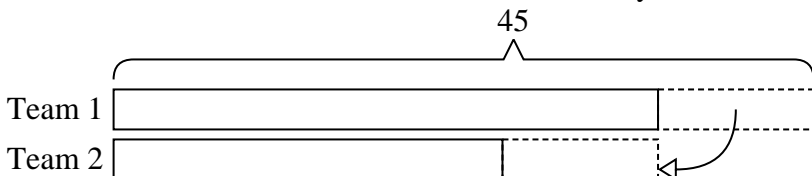


Solve each problem using a tape diagram.

Ex) A car salesman had 89 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?



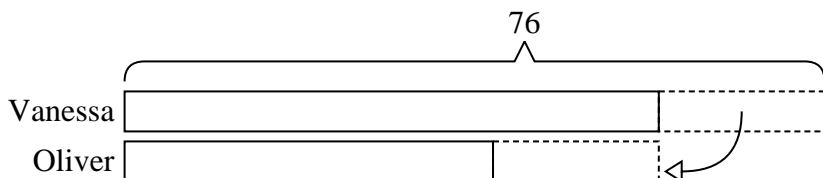
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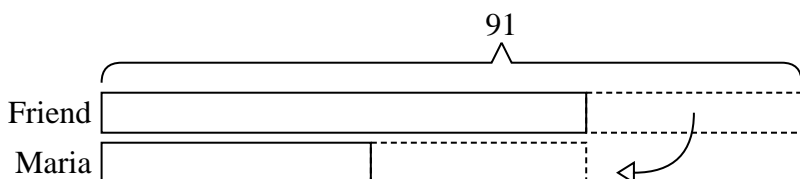
2) A pet groomer has 71 customers scheduled for Monday and 33 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?



3) A store had 2 employees scheduled for the week. Vanessa was scheduled to work for 40 hours and Oliver was scheduled for 76 hours. How fewer hours should Oliver work so that he and Vanessa work the same number of hours?



4) Maria and her friend had two piles of candy. Maria's pile had 35 pieces and her friend had 91 pieces. How many pieces would her friend have to give Maria so that they both had the same amount?



Answers

Ex. 29

1. 10

2. 19

3. 18

4. 28

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

- Ex)** A car salesman had 44 cars in one of his lots and 20 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)** Henry had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 56 collectibles and the other had 20. How many should he move so that each case has the same amount?
- 2)** Lana and her friend had two piles of candy. Lana's pile had 40 pieces and her friend had 60 pieces. How many pieces would her friend have to give Lana so that they both had the same amount?
- 3)** In high school 60 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?
- 4)** A pet groomer has 96 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?

AnswersEx. 12

1. _____

2. _____

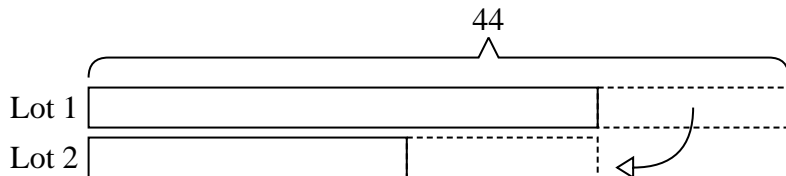
3. _____

4. _____

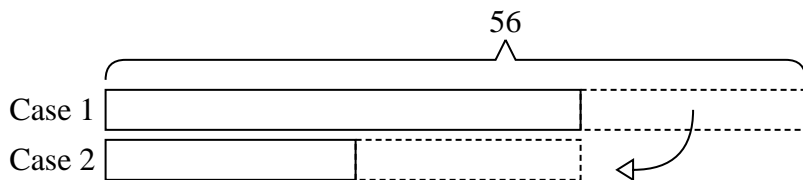


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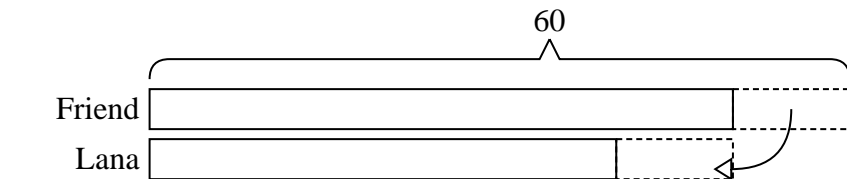
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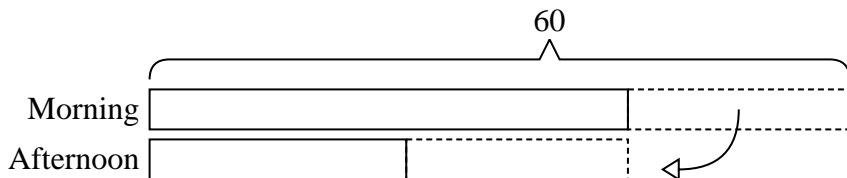
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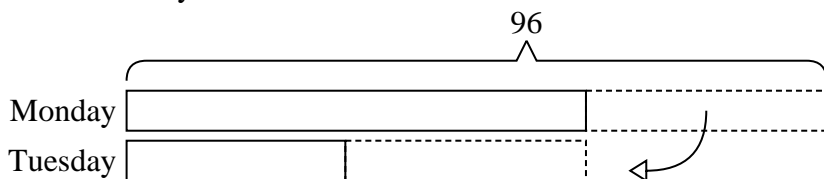
2) Lana and her friend had two piles of candy. Lana's pile had 40 pieces and her friend had 60 pieces. How many pieces would her friend have to give Lana so that they both had the same amount?



3) In high school 60 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?



4) A pet groomer has 96 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?



Answers

Ex. 12

1. 18

2. 10

3. 19

4. 33



Solve each problem using a tape diagram.

Ex) A car salesman had 98 cars in one of his lots and 38 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?

AnswersEx. 30

1. _____

2. _____

3. _____

4. _____

1) Janet and her friend had two piles of candy. Janet's pile had 34 pieces and her friend had 68 pieces. How many pieces would her friend have to give Janet so that they both had the same amount?

2) During gym class Team 1 had 78 students and Team 2 had 22 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

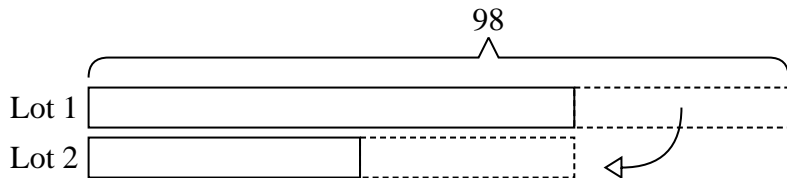
3) A pet groomer has 92 customers scheduled for Monday and 22 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

4) There are 75 sodas on the top shelf and 47 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?

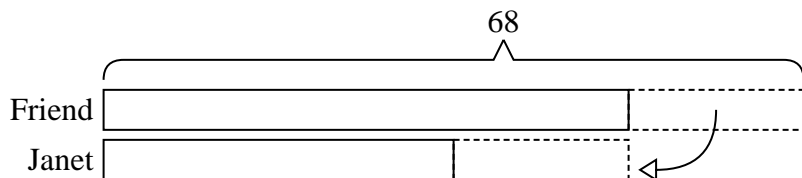


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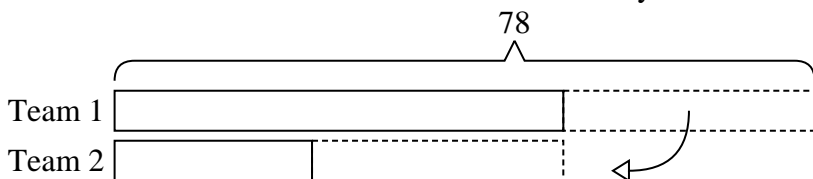
- Ex) A car salesman had 98 cars in one of his lots and 38 in another lot. He decided to move some cars from Lot 1 into Lot 2 so that Lot 2 looked fuller. How many cars should he move so that each lot has the same amount?



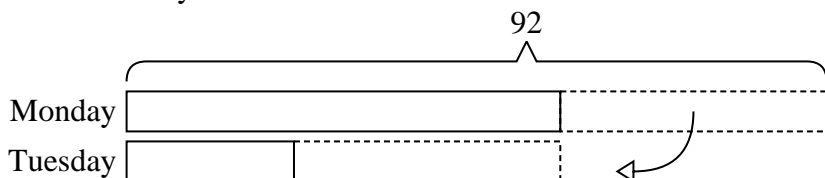
- 1) Janet and her friend had two piles of candy. Janet's pile had 34 pieces and her friend had 68 pieces. How many pieces would her friend have to give Janet so that they both had the same amount?



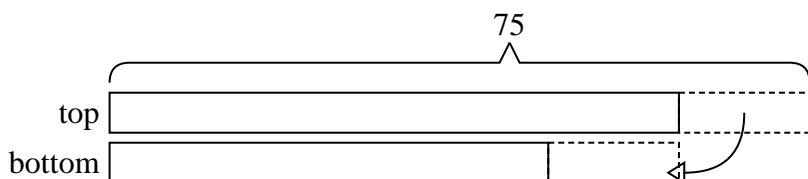
- 2) During gym class Team 1 had 78 students and Team 2 had 22 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?



- 3) A pet groomer has 92 customers scheduled for Monday and 22 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) There are 75 sodas on the top shelf and 47 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?

AnswersEx. 301. 172. 283. 354. 14



Solve each problem using a tape diagram.

Ex) During gym class Team 1 had 82 students and Team 2 had 38 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

AnswersEx. 22

1. _____

2. _____

3. _____

4. _____

1) A pet groomer has 89 customers scheduled for Monday and 49 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) Nancy and her friend had two piles of candy. Nancy's pile had 24 pieces and her friend had 92 pieces. How many pieces would her friend have to give Nancy so that they both had the same amount?

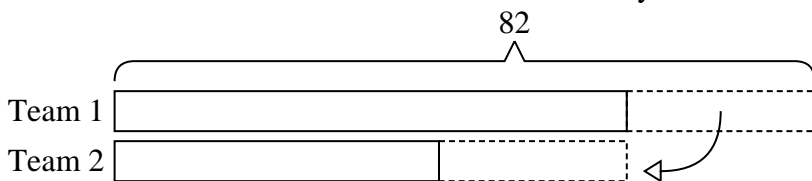
3) In high school 68 students signed up for the morning art class and 24 signed up for the afternoon class. How many students should be moved from the morning to afternoon so that each class has the same number of students?

4) Victor had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 80 collectibles and the other had 44. How many should he move so that each case has the same amount?

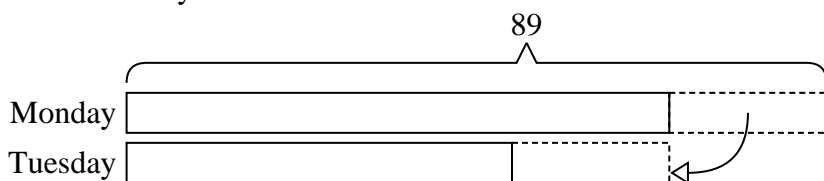


Solve each problem using a tape diagram.

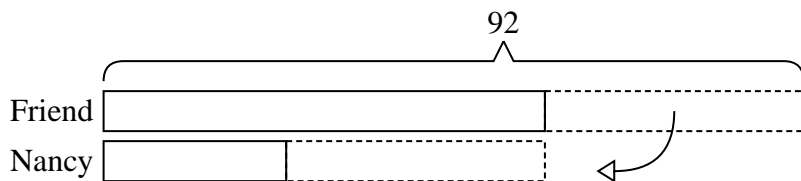
- Ex) During gym class Team 1 had 82 students and Team 2 had 38 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?



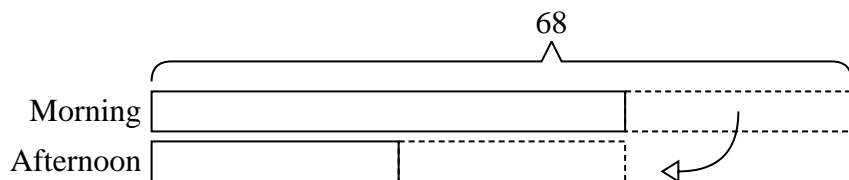
- 1) A pet groomer has 89 customers scheduled for Monday and 49 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?



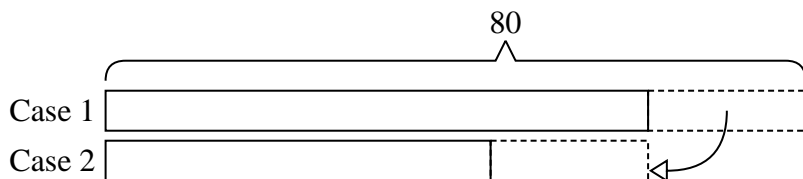
- 2) Nancy and her friend had two piles of candy. Nancy's pile had 24 pieces and her friend had 92 pieces. How many pieces would her friend have to give Nancy so that they both had the same amount?



- 3) In high school 68 students signed up for the morning art class and 24 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?



- 4) Victor had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 80 collectibles and the other had 44. How many should he move so that each case has the same amount?

AnswersEx. 221. 202. 343. 224. 18



Solve each problem using a tape diagram.

Ex) There are 52 sodas on the top shelf and 28 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?

AnswersEx. 12

1. _____

2. _____

3. _____

4. _____

1) A pet groomer has 63 customers scheduled for Monday and 21 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) In high school 67 students signed up for the morning art class and 43 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?

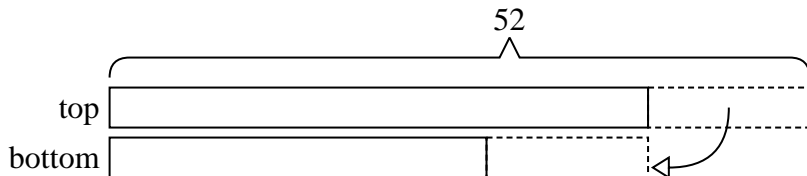
3) A store had 2 employees scheduled for the week. Tiffany was scheduled to work for 41 hours and Victor was scheduled for 65 hours. How fewer hours should Victor work so that he and Tiffany work the same number of hours?

4) A car salesman had 76 cars in one of his lots and 48 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?

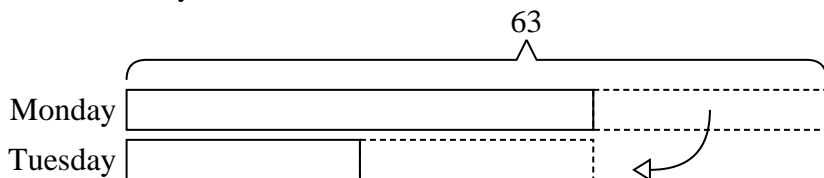


Solve each problem using a tape diagram.

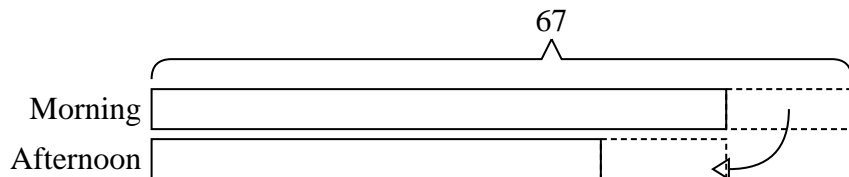
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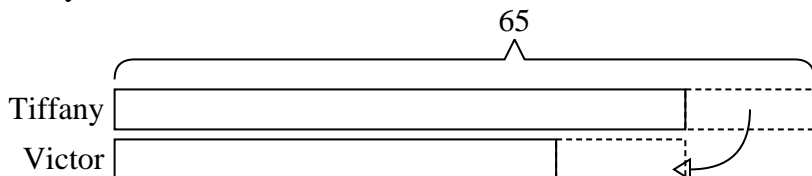
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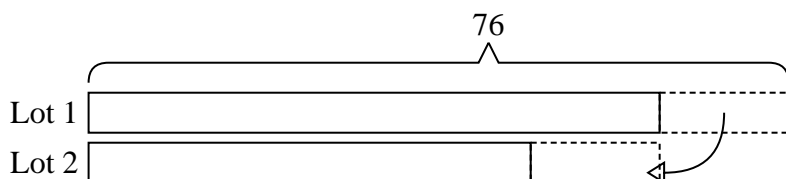
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**Answers**Ex. 121. 212. 123. 124. 14