Sharing With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) There are 94 sodas on the top shelf and 42 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. _____**26**_____

1. _____

2. _____

3. _____

1) A pet groomer has 72 customers scheduled for Monday and 26 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. _____

2) Carol and her friend had two piles of candy. Carol's pile had 48 pieces and her friend had 74 pieces. How many pieces would her friend have to give Carol so that they both had the same amount?
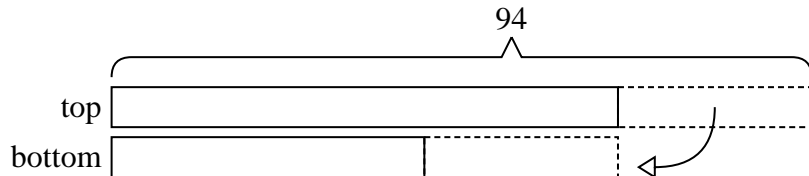
3) During gym class Team 1 had 57 students and Team 2 had 37 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

4) A car salesman had 91 cars in one of his lots and 47 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?
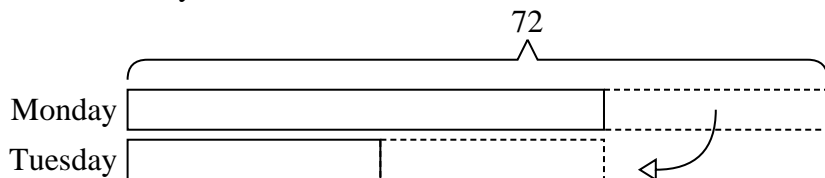
1-4 | 75 | 50 | 25 | 0

Name: **Answer Key**

Solve each problem using a tape diagram.
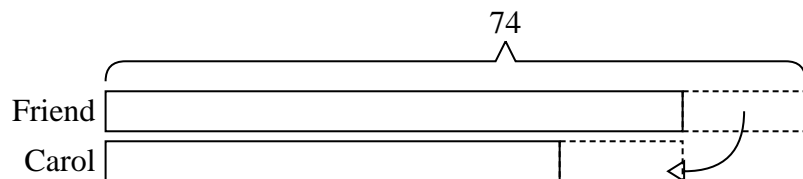
Answers

Ex) There are 94 sodas on the top shelf and 42 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?
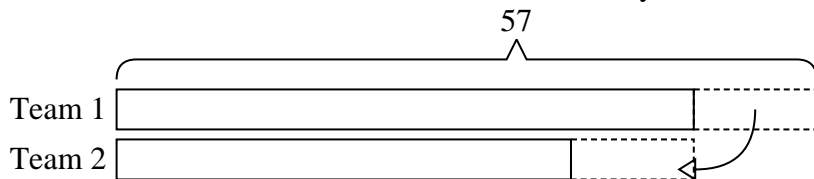
Ex. _____ **26**

94

top

bottom

1. _____ **23**

2. _____ **13**

3. _____ **10**

1) A pet groomer has 72 customers scheduled for Monday and 26 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?
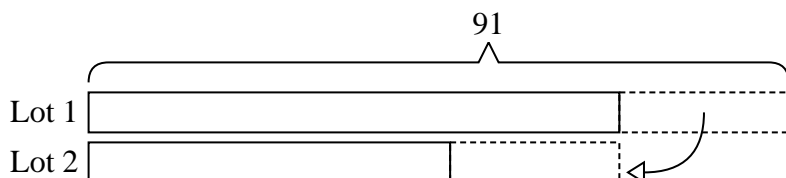
4. _____ **22**

72

Monday

Tuesday

2) Carol and her friend had two piles of candy. Carol's pile had 48 pieces and her friend had 74 pieces. How many pieces would her friend have to give Carol so that they both had the same amount?

74

Friend

Carol

3) During gym class Team 1 had 57 students and Team 2 had 37 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

57

Team 1

Team 2

4) A car salesman had 91 cars in one of his lots and 47 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?

91

Lot 1

Lot 2

1-4 | 75 | 50 | 25 | 0

Solve each problem using a tape diagram.

Ex) Sam had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 95 collectibles and the other had 37. How many should he move so that each case has the same amount?

Ex. _____ **29**

1. _____

2. _____

3. _____

1) A pet groomer has 60 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?

4. _____

2) A car salesman had 88 cars in one of his lots and 40 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) In high school 71 students signed up for the morning art class and 49 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) There are 69 sodas on the top shelf and 49 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?

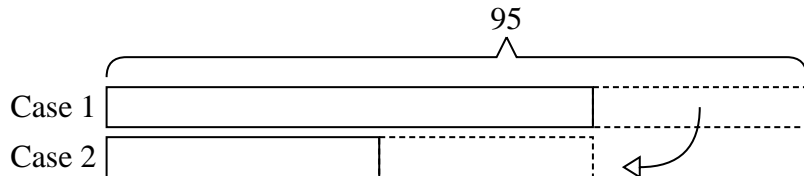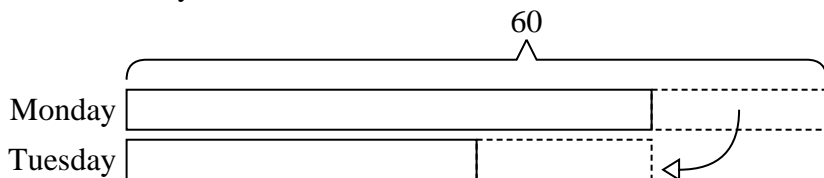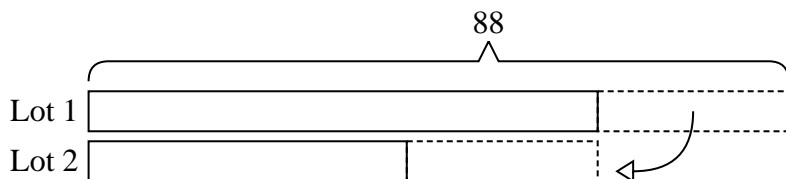**Solve each problem using a tape diagram.**

Ex) Sam had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 95 collectibles and the other had 37. How many should he move so that each case has the same amount?
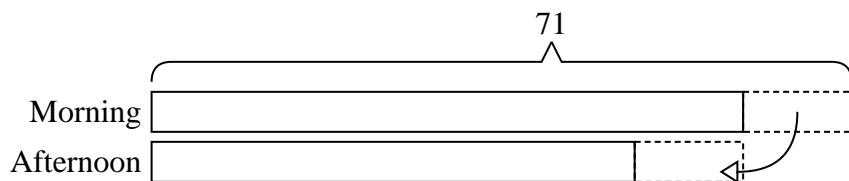
95

Case 1

Case 2

Ex. _____ **29**

1) A pet groomer has 60 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?
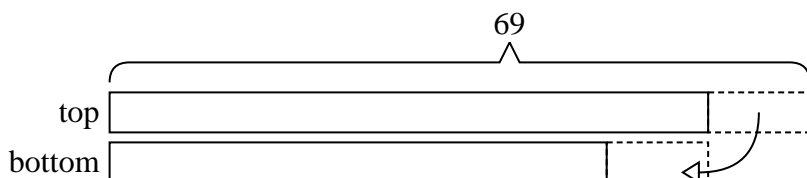
60

Monday

Tuesday

1. _____ **15**

2. _____ **24**

3. _____ **11**

4. _____ **10**

2) A car salesman had 88 cars in one of his lots and 40 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?

88

Lot 1

Lot 2

3) In high school 71 students signed up for the morning art class and 49 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?

71

Morning

Afternoon

4) There are 69 sodas on the top shelf and 49 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?

69

top

bottom

Solve each problem using a tape diagram.

Ex) A pet groomer has 56 customers scheduled for Monday and 34 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

Ex. _____**11**_____

1. _____

2. _____

3. _____

1) During gym class Team 1 had 87 students and Team 2 had 41 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

4. _____

2) Olivia and her friend had two piles of candy. Olivia's pile had 46 pieces and her friend had 70 pieces. How many pieces would her friend have to give Olivia so that they both had the same amount?
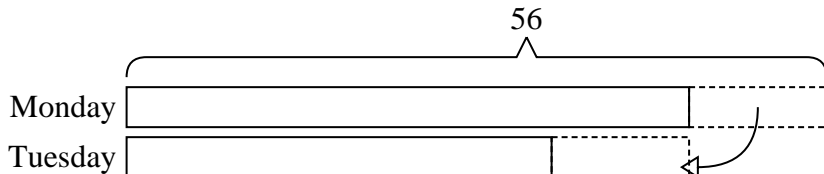
3) In high school 73 students signed up for the morning art class and 41 signed up for the afternoon class. How many students should be moved from the morning to afternoon so that each class has the same number of students?

4) A car salesman had 89 cars in one of his lots and 41 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?
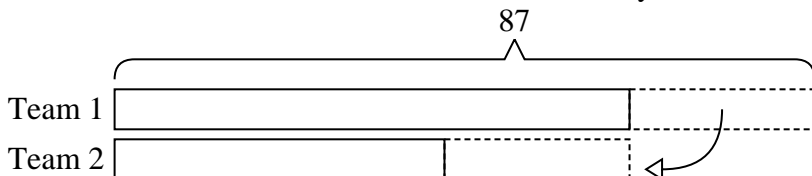
Name: **Answer Key**

Solve each problem using a tape diagram.
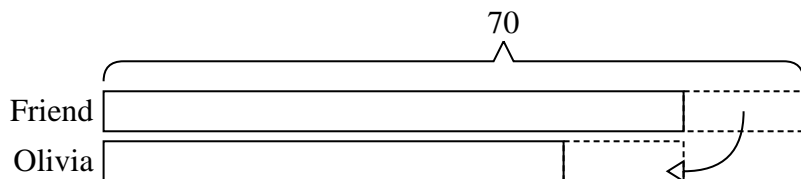
Answers

Ex) A pet groomer has 56 customers scheduled for Monday and 34 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?
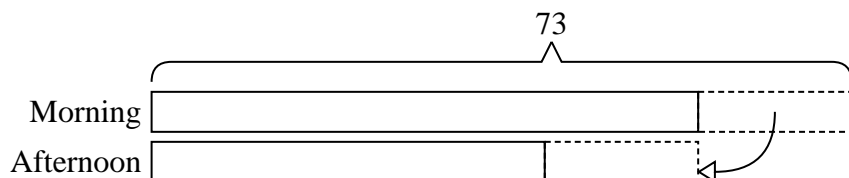
Ex. _____ **11**

56

Monday

Tuesday

1. _____ **23**

2. _____ **12**

3. _____ **16**

4. _____ **24**

1) During gym class Team 1 had 87 students and Team 2 had 41 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?
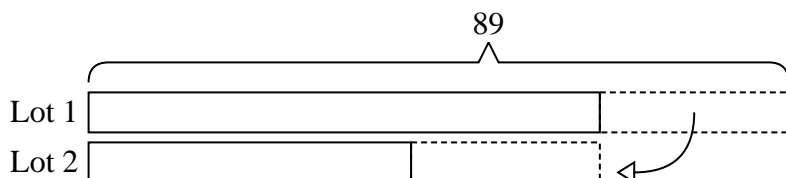
87

Team 1

Team 2

2) Olivia and her friend had two piles of candy. Olivia's pile had 46 pieces and her friend had 70 pieces. How many pieces would her friend have to give Olivia so that they both had the same amount?

70

Friend

Olivia

3) In high school 73 students signed up for the morning art class and 41 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?

73

Morning

Afternoon

4) A car salesman had 89 cars in one of his lots and 41 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?

89

Lot 1

Lot 2

Math

3

1-4 | 75 | 50 | 25 | 0

Sharing With Tape Diagram

Name:

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?

Ex. _____**22**_____

1. _____

2. _____

3. _____

1) A store had 2 employees scheduled for the week. Rachel was scheduled to work for 41 hours and George was scheduled for 67 hours. How fewer hours should George work so that he and Rachel work the same number of hours?

4. _____

2) Luke 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?
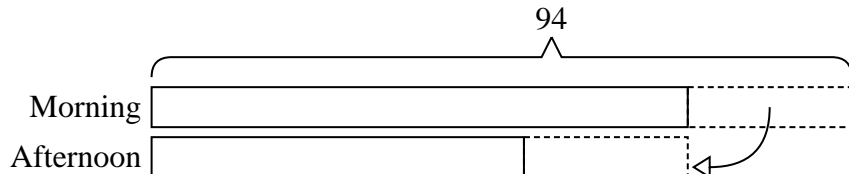
3) A pet groomer has 83 customers scheduled for Monday and 27 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

4) A car salesman had 79 cars in one of his lots and 49 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?
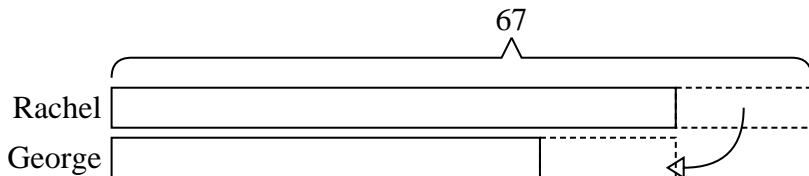
Name:

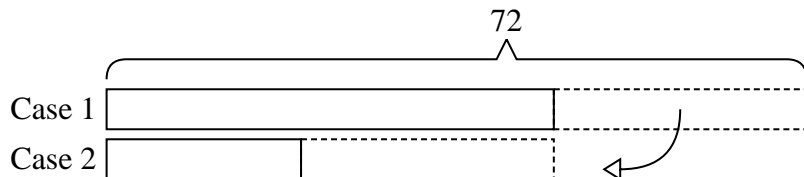**Solve each problem using a tape diagram.**

Answers

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?
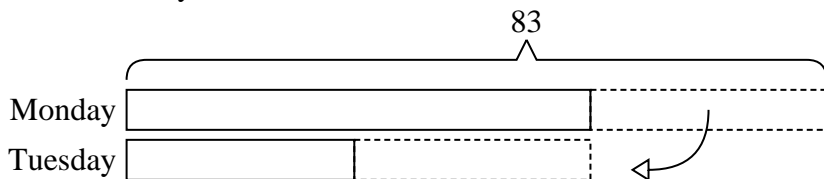
94

Morning

Afternoon

Ex. _____ **22**

1. _____ **13**

2. _____ **26**

3. _____ **28**

4. _____ **15**

1) A store had 2 employees scheduled for the week. Rachel was scheduled to work for 41 hours and George was scheduled for 67 hours. How fewer hours should George work so that he and Rachel work the same number of hours?
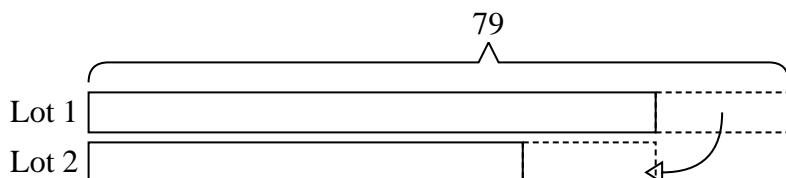
67

Rachel

George

2) Luke 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?

72

Case 1

Case 2

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?

83

Monday

Tuesday

4) A car salesman had 79 cars in one of his lots and 49 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?

79

Lot 1

Lot 2

| 1-4 | 75 | 50 | 25 | 0 |

Solve each problem using a tape diagram.

Ex) Edward had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 76 collectibles and the other had 24. How many should he move so that each case has the same amount?

Ex. _____**26**_____

1. _____

2. _____

3. _____

1) In high school 58 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?

4. _____

2) A car salesman had 56 cars in one of his lots and 36 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?
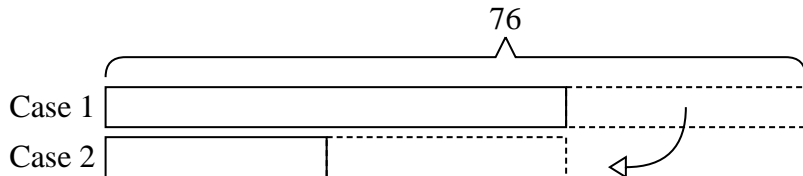
3) Vanessa and her friend had two piles of candy. Vanessa's pile had 46 pieces and her friend had 66 pieces. How many pieces would her friend have to give Vanessa so that they both had the same amount?

4) There are 72 sodas on the top shelf and 46 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?
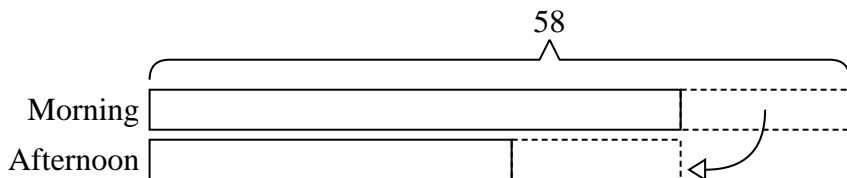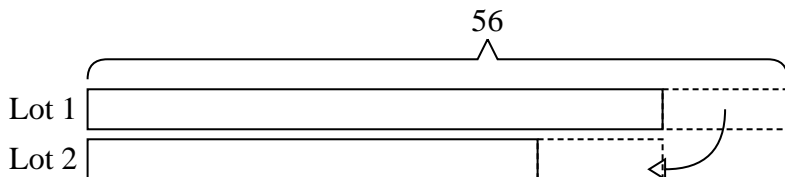
Name:

Solve each problem using a tape diagram.

Ex) Edward had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 76 collectibles and the other had 24. How many should he move so that each case has the same amount?
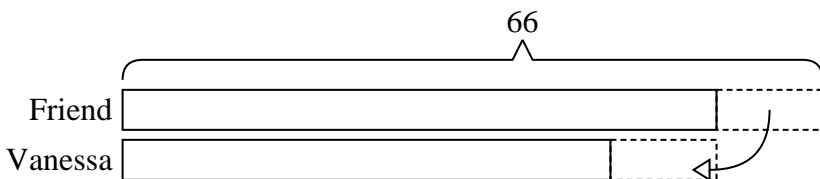
Ex. _____ **26**

```
                              76
                          ╱‾‾‾‾‾‾‾╲‾‾‾‾‾‾‾‾‾‾‾‾‾‾
       Case 1  |                        |- - - - - - - - |
       Case 2  |            |- - - - - - - - |  ↙
```

1. _____ **14**

2. _____ **10**

1) In high school 58 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?
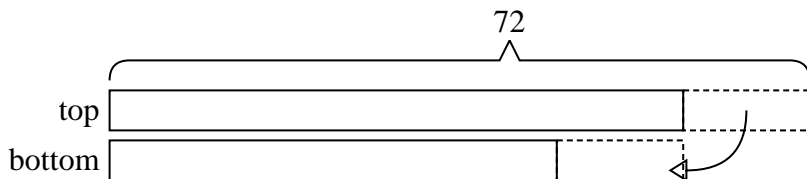
3. _____ **10**

```
                              58
                          ╱‾‾‾‾‾‾‾╲‾‾‾‾‾‾‾‾‾‾‾‾‾‾
     Morning  |                        |- - - - - - |
   Afternoon  |              |- - - - - |  ↙
```

4. _____ **13**

2) A car salesman had 56 cars in one of his lots and 36 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?

```
                              56
                          ╱‾‾‾‾‾‾‾╲‾‾‾‾‾‾‾‾‾‾‾‾‾‾
       Lot 1  |                        |- - - - - |
       Lot 2  |                  |- - - |  ↙
```

3) Vanessa and her friend had two piles of candy. Vanessa's pile had 46 pieces and her friend had 66 pieces. How many pieces would her friend have to give Vanessa so that they both had the same amount?

```
                              66
                          ╱‾‾‾‾‾‾‾╲‾‾‾‾‾‾‾‾‾‾‾‾‾‾
      Friend  |                          |- - - |
    Vanessa  |                    |- - - |  ↙
```

4) There are 72 sodas on the top shelf and 46 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?

```
                              72
                          ╱‾‾‾‾‾‾‾╲‾‾‾‾‾‾‾‾‾‾‾‾‾‾
         top  |                        |- - - |
      bottom  |                  |- - - |  ↙
```

Name:

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?

Ex. _____**29**_____

1. _____

2. _____

3. _____

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?

4. _____

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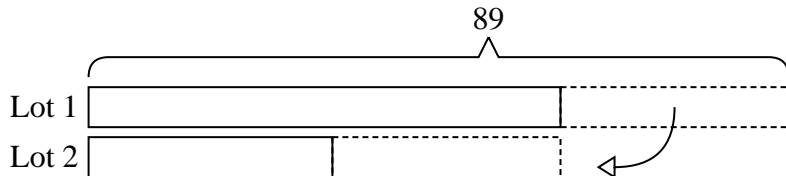
3) A store had 2 employees scheduled for the week. Janet was scheduled to work for 40 hours and Will was scheduled for 76 hours. How fewer hours should Will work so that he and Janet work the same number of hours?

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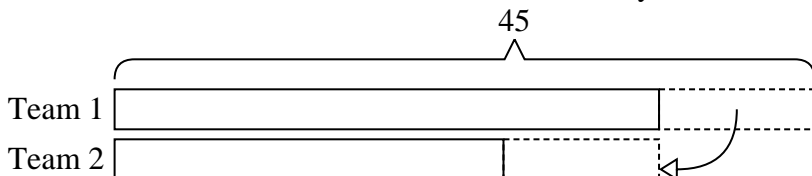
    Name: **Answer Key**

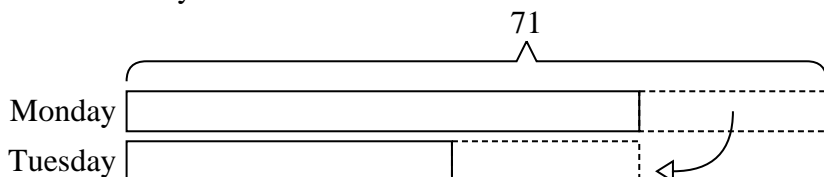**Solve each problem using a tape diagram.**

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?
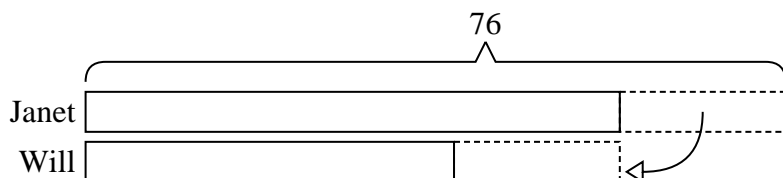
89

Lot 1

Lot 2

Ex. _____ **29**

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?
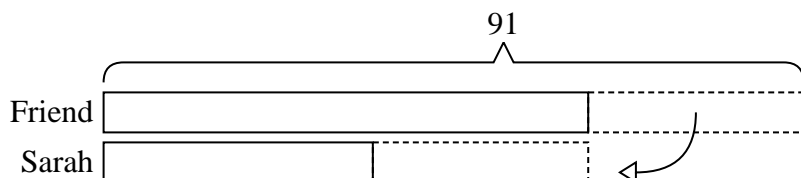
45

Team 1

Team 2

1. _____ **10**

2. _____ **19**

3. _____ **18**

4. _____ **28**

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?

71

Monday

Tuesday

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

76

Janet

Will

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

91

Friend

Sarah

1-4 | 75 | 50 | 25 | 0

Name:

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?

Ex. _____**12**_____

1. _____

2. _____

3. _____

1) Tom 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?

4. _____

2) Haley and her friend had two piles of candy. Haley's pile had 40 pieces and her friend had 60 pieces. How many pieces would her friend have to give Haley so that they both had the same amount?
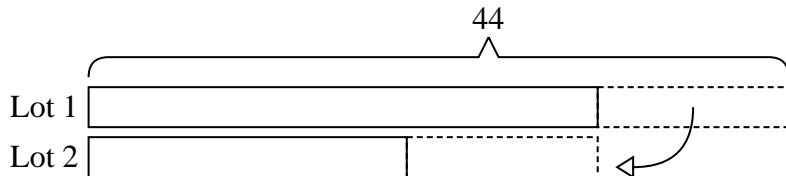
3) A store had 2 employees scheduled for the week. Lana was scheduled to work for 31 hours and Billy was scheduled for 67 hours. How fewer hours should Billy work so that he and Lana work the same number of hours?

4) There are 90 sodas on the top shelf and 44 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?
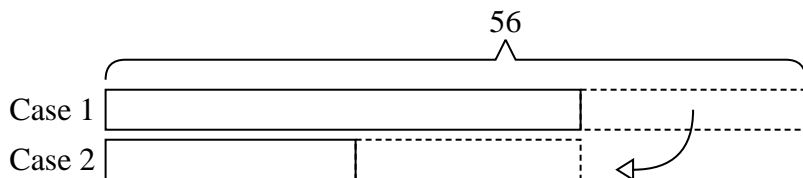
1-4 | 75 | 50 | 25 | 0

Name: **Answer Key**

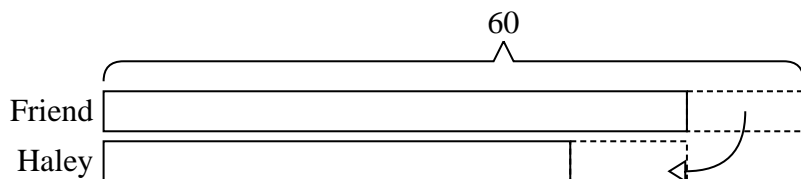**Solve each problem using a tape diagram.**

Answers

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?
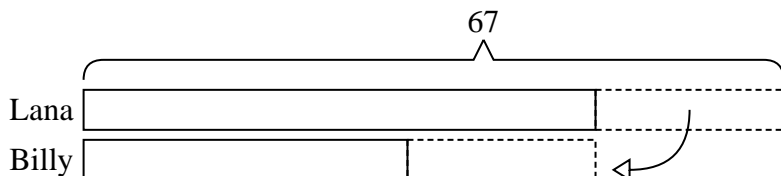
44

Lot 1

Lot 2

Ex. _____ **12**

1. _____ **18**

2. _____ **10**

3. _____ **18**

4. _____ **23**

1) Tom 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?
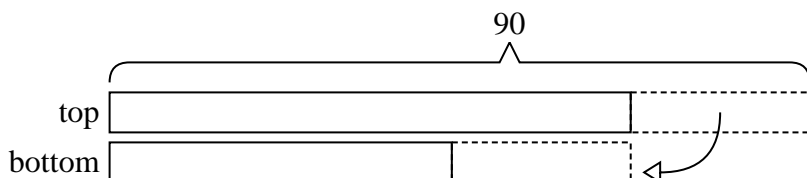
56

Case 1

Case 2

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

60

Friend

Haley

3) A store had 2 employees scheduled for the week. Lana was scheduled to work for 31 hours and Billy was scheduled for 67 hours. How fewer hours should Billy work so that he and Lana work the same number of hours?

67

Lana

Billy

4) There are 90 sodas on the top shelf and 44 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?

90

top

bottom

1-4 | 75 | 50 | 25 | 0

Solve each problem using a tape diagram.

Ex) A pet groomer has 83 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?

Ex. _____**17**_____

1. _____

2. _____

3. _____

1) Bianca and her friend had two piles of candy. Bianca's pile had 42 pieces and her friend had 68 pieces. How many pieces would her friend have to give Bianca so that they both had the same amount?

4. _____

2) A store had 2 employees scheduled for the week. Haley was scheduled to work for 32 hours and Roger was scheduled for 78 hours. How fewer hours should Roger work so that he and Haley work the same number of hours?
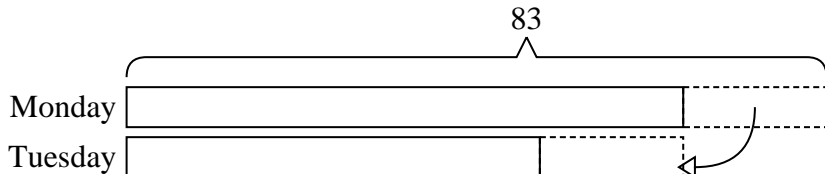
3) During gym class Team 1 had 60 students and Team 2 had 30 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

4) A car salesman had 94 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?
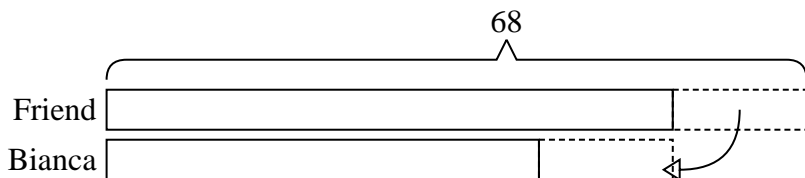
Name: **Answer Key**

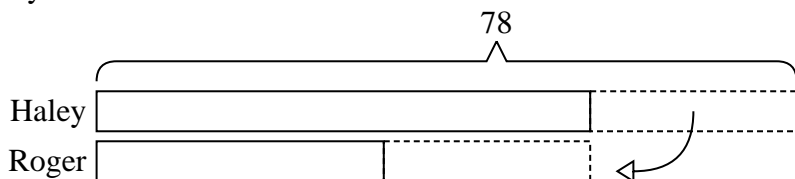**Solve each problem using a tape diagram.**

Answers

Ex) A pet groomer has 83 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?
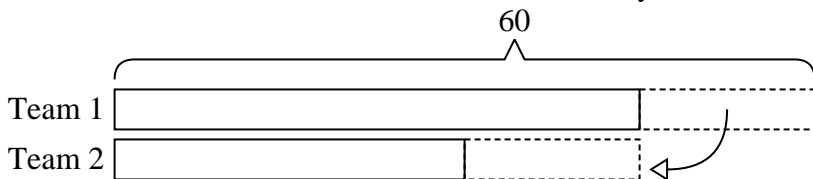
Ex. _____ **17**

83

Monday

Tuesday

1. _____ **13**

2. _____ **23**

3. _____ **15**

4. _____ **23**

1) Bianca and her friend had two piles of candy. Bianca's pile had 42 pieces and her friend had 68 pieces. How many pieces would her friend have to give Bianca so that they both had the same amount?
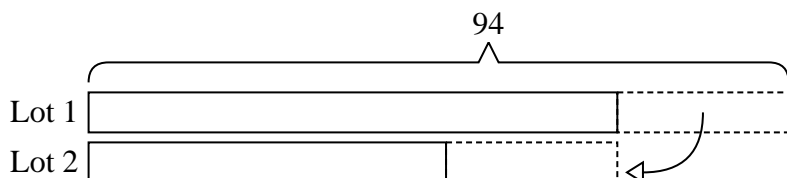
68

Friend

Bianca

2) A store had 2 employees scheduled for the week. Haley was scheduled to work for 32 hours and Roger was scheduled for 78 hours. How fewer hours should Roger work so that he and Haley work the same number of hours?

78

Haley

Roger

3) During gym class Team 1 had 60 students and Team 2 had 30 students. How many students should be moved from Team 1 to Team 2 so that you have even teams?

60

Team 1

Team 2

4) A car salesman had 94 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?

94

Lot 1

Lot 2

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?

Ex. _____ **22** _____

1. _____

2. _____

3. _____

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?

4. _____

2) A store had 2 employees scheduled for the week. Tiffany was scheduled to work for 24 hours and Ned was scheduled for 88 hours. How fewer hours should Ned work so that he and Tiffany work the same number of hours?
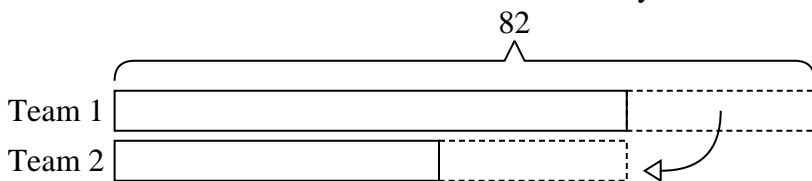
3) Kaleb had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 68 collectibles and the other had 24. How many should he move so that each case has the same amount?

4) Robin and her friend had two piles of candy. Robin's pile had 22 pieces and her friend had 82 pieces. How many pieces would her friend have to give Robin so that they both had the same amount?

Name:

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?

Ex. _____ **22**
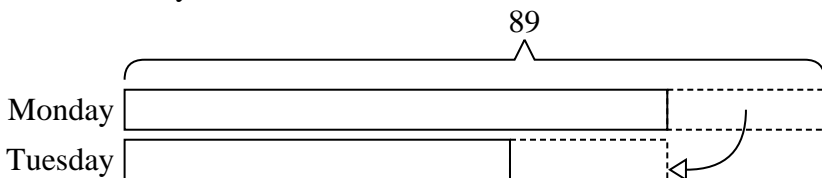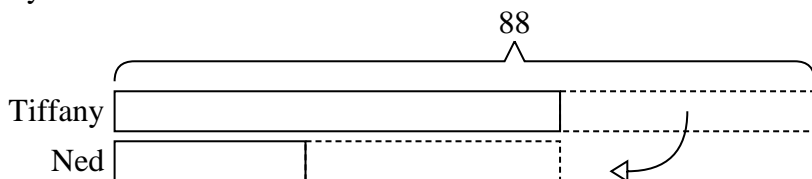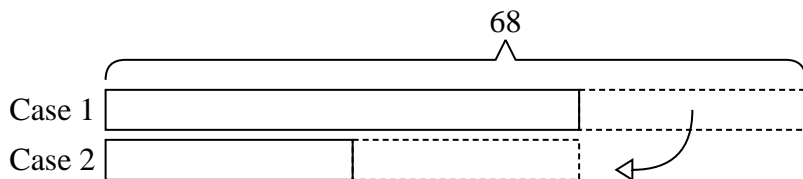
82

Team 1

Team 2

1. _____ **20**

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?
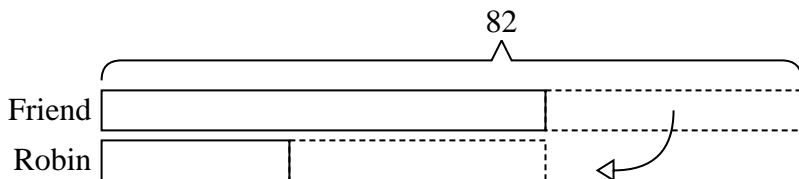
2. _____ **32**

3. _____ **22**

89

Monday

Tuesday

4. _____ **30**

2) A store had 2 employees scheduled for the week. Tiffany was scheduled to work for 24 hours and Ned was scheduled for 88 hours. How fewer hours should Ned work so that he and Tiffany work the same number of hours?

88

Tiffany

Ned

3) Kaleb had 2 display cases of collectibles. He wanted to organize them so each case had the same number of collectibles. One case had 68 collectibles and the other had 24. How many should he move so that each case has the same amount?

68

Case 1

Case 2

4) Robin and her friend had two piles of candy. Robin's pile had 22 pieces and her friend had 82 pieces. How many pieces would her friend have to give Robin so that they both had the same amount?

82

Friend

Robin

Name:

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?

Ex. _____**12**_____

1. _____

2. _____

3. _____

1) During gym class Team 1 had 70 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?

4. _____

2) A pet groomer has 77 customers scheduled for Monday and 29 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?
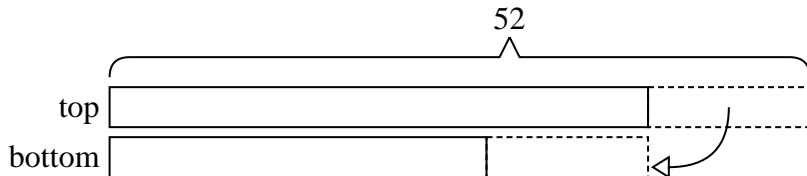
3) In high school 65 students signed up for the morning art class and 41 signed up for the afternoon class. How many students should be moved from the morning to afternoon so that each class has the same number of students?

4) A car salesman had 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?
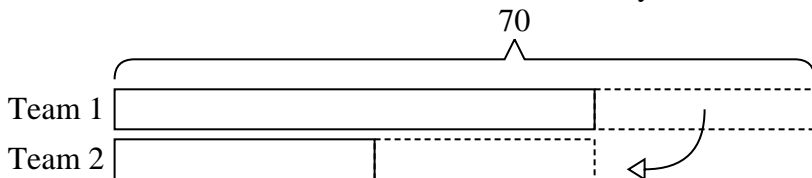
Name:

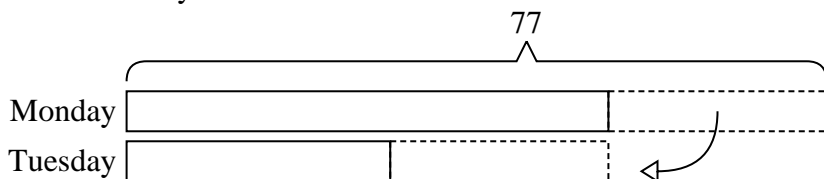**Solve each problem using a tape diagram.**

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?
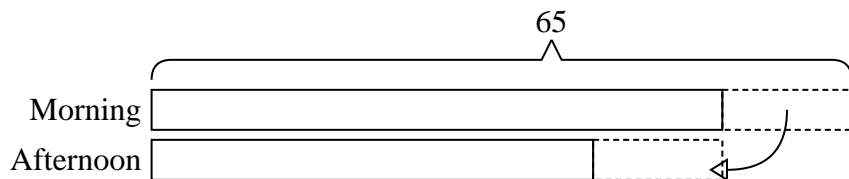
Ex. _____ **12**

52

top

bottom

1. _____ **22**

1) During gym class Team 1 had 70 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?
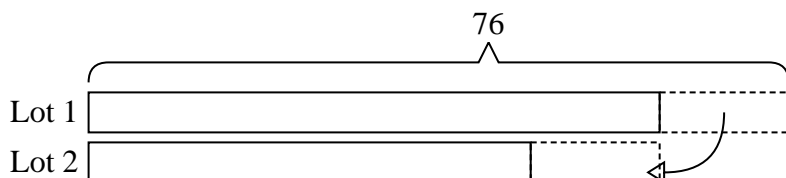
2. _____ **24**

70

Team 1

Team 2

3. _____ **12**

4. _____ **14**

2) A pet groomer has 77 customers scheduled for Monday and 29 scheduled for Tuesday. How many customers should she put off until Tuesday so that she has the same number of customers on both days?

77

Monday

Tuesday

3) In high school 65 students signed up for the morning art class and 41 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?

65

Morning

Afternoon

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?

76

Lot 1

Lot 2

1-4 | 75 | 50 | 25 | 0