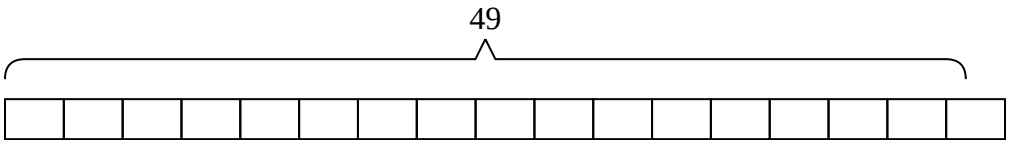
Division With Tape Diagram

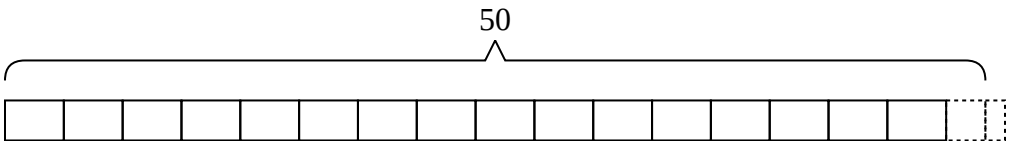
Name:

Solve each problem.

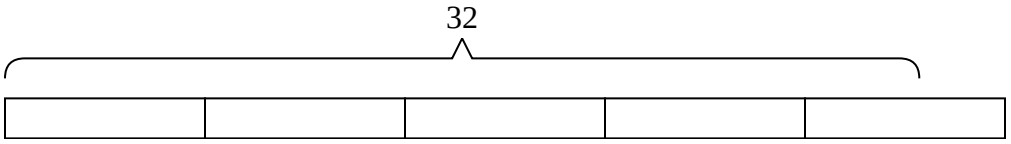
1) A clown needed {forty-nine} balloons for a party he was going to, but the balloons only came in packs of {three}. How many packs of balloons would he need to buy?



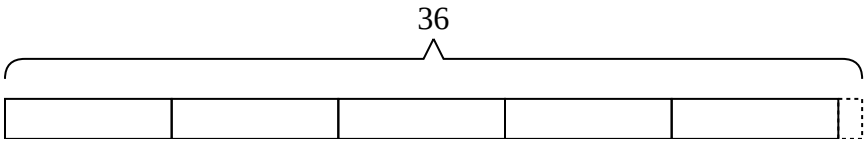
2) A movie store had {fifty} movies they were putting on {three} shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?



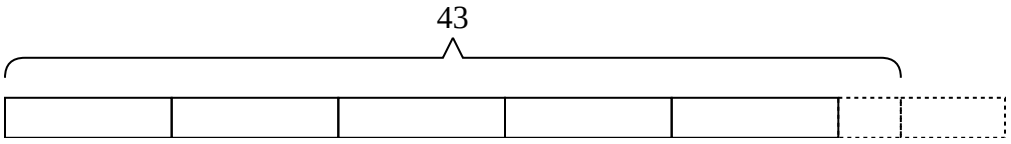
3) Billy was trying to beat his old score of {thirty-two} points in a video game. If he scores exactly {seven} points each round, how many rounds would he need to play to beat his old score?



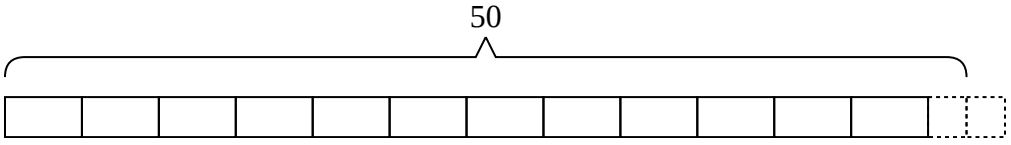
4) Carol had {thirty-six} photos to put into a photo album. If each page holds {seven} photos, how many full pages will she have?



5) It takes {eight} apples to make an apple pie. If a chef bought {forty-three} apples, the last pie would need how many more apples?



6) A botanist picked {fifty} flowers. She wanted to put them into {four} bouquets with the same number of flowers in each. How many more should she pick so she doesn't have any extra?



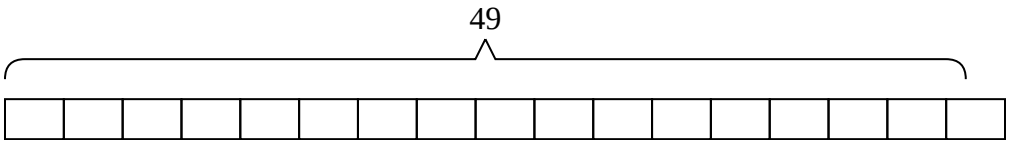
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

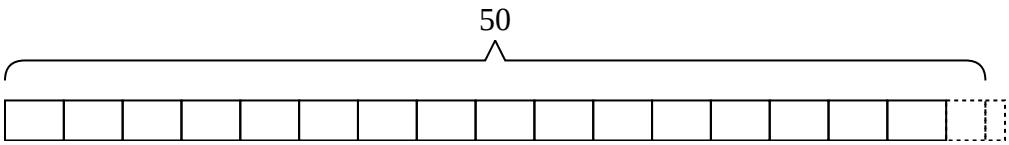
1-6	83	67	50	33	17	0

Solve each problem.

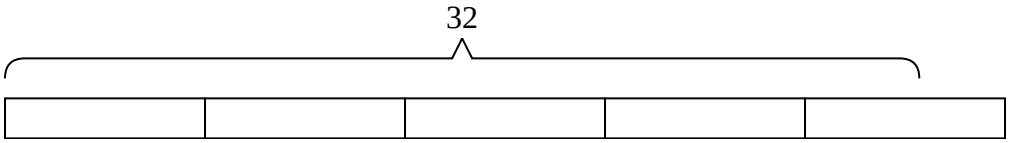
1) A clown needed {forty-nine} balloons for a party he was going to, but the balloons only came in packs of {three}. How many packs of balloons would he need to buy?



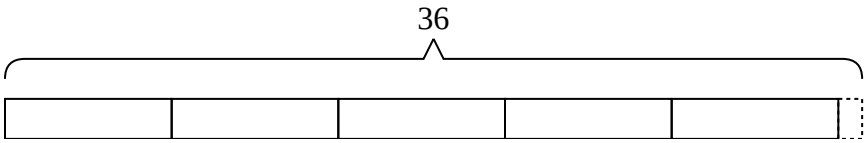
2) A movie store had {fifty} movies they were putting on {three} shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?



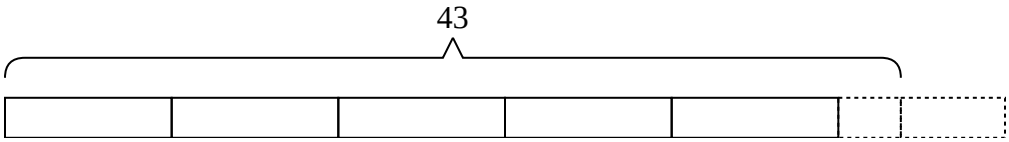
3) Billy was trying to beat his old score of {thirty-two} points in a video game. If he scores exactly {seven} points each round, how many rounds would he need to play to beat his old score?



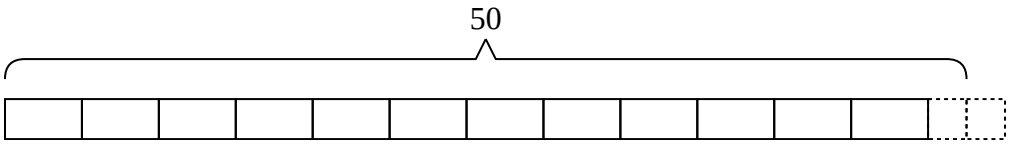
4) Carol had {thirty-six} photos to put into a photo album. If each page holds {seven} photos, how many full pages will she have?



5) It takes {eight} apples to make an apple pie. If a chef bought {forty-three} apples, the last pie would need how many more apples?



6) A botanist picked {fifty} flowers. She wanted to put them into {four} bouquets with the same number of flowers in each. How many more should she pick so she doesn't have any extra?



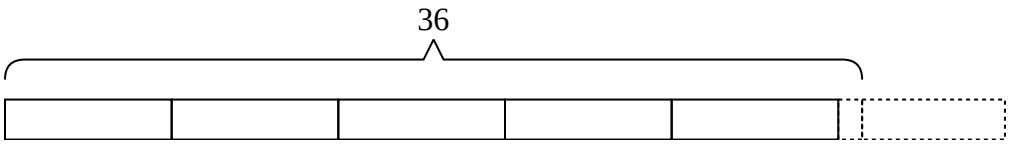
Answers

1. 17
2. 1
3. 5
4. 5
5. 5
6. 2

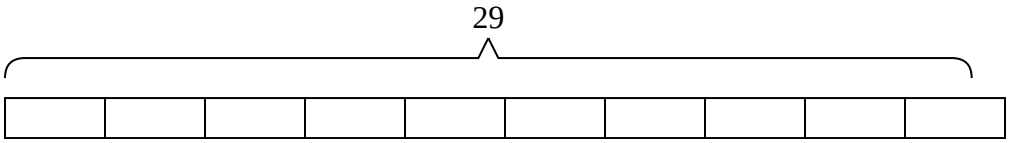
1-6	83	67	50	33	17	0

Solve each problem.

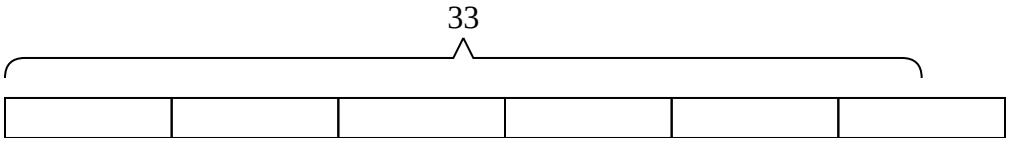
1) Paul wanted to give each of his {seven} friends an equal amount of candy. At the store he bought {thirty-six} pieces total to give to them. He many more pieces should he have bought so he didn't have any extra?



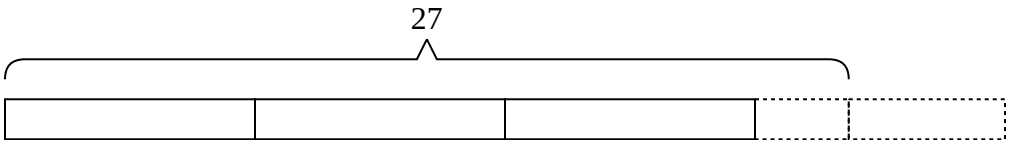
2) A flash drive could hold {three} gigs of data. If you needed to store {twenty-nine} gigs, how many flash drive would you need?



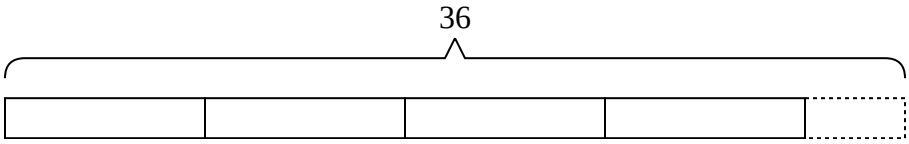
3) Cody has to sell {thirty-three} chocolate bars to win a trip. If each box contains {six} chocolate bars, how many boxes will he need to sell to win the trip?



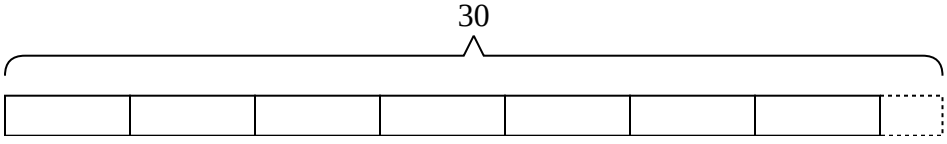
4) At the carnival, {eight} friends bought {twenty-seven} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?



5) A post office has {thirty-six} pieces of junk mail they want to split evenly between {eight} mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?



6) An industrial machine can make {thirty} crayons a day. If each box of crayons has {four} crayons in it, how many full boxes does the machine make a day?



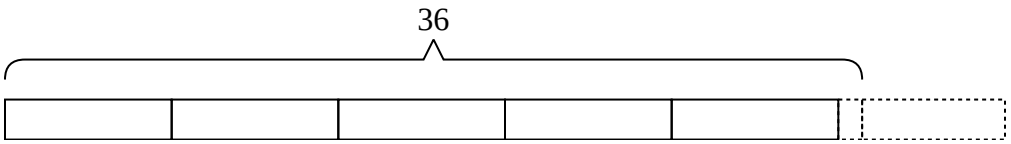
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

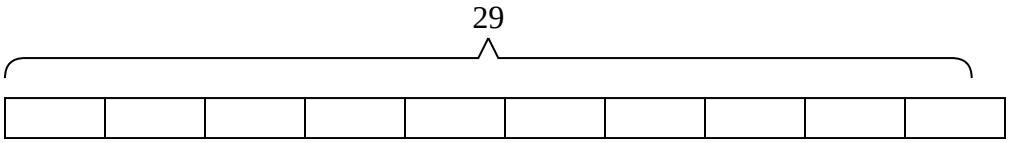
1-6	83	67	50	33	17	0

Solve each problem.

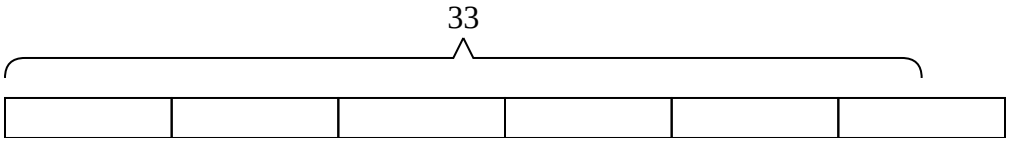
1) Paul wanted to give each of his {seven} friends an equal amount of candy. At the store he bought {thirty-six} pieces total to give to them. He many more pieces should he have bought so he didn't have any extra?



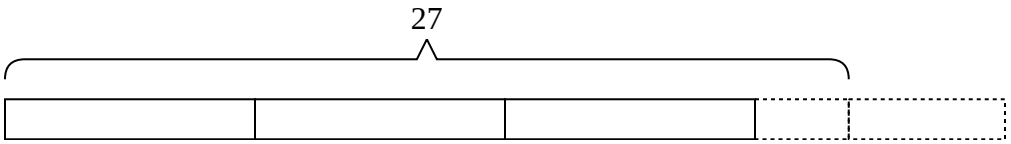
2) A flash drive could hold {three} gigs of data. If you needed to store {twenty-nine} gigs, how many flash drive would you need?



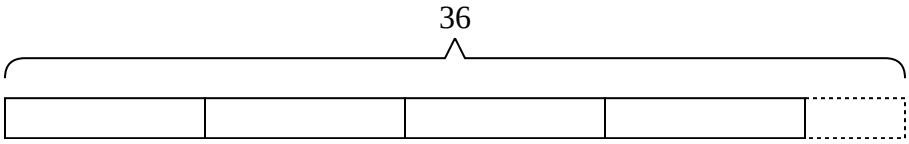
3) Cody has to sell {thirty-three} chocolate bars to win a trip. If each box contains {six} chocolate bars, how many boxes will he need to sell to win the trip?



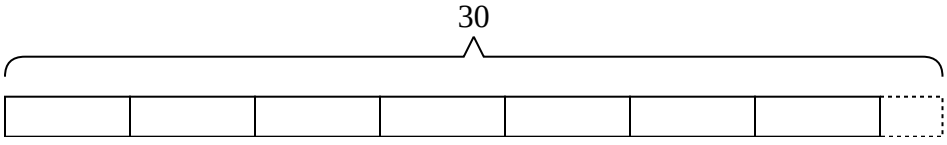
4) At the carnival, {eight} friends bought {twenty-seven} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?



5) A post office has {thirty-six} pieces of junk mail they want to split evenly between {eight} mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?



6) An industrial machine can make {thirty} crayons a day. If each box of crayons has {four} crayons in it, how many full boxes does the machine make a day?



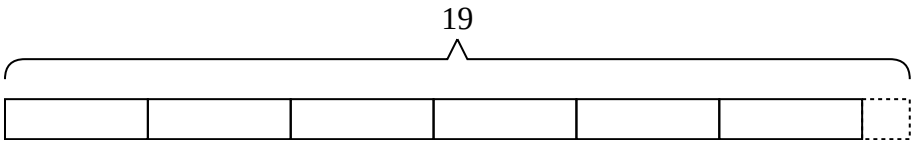
Answers

1. **6**
2. **10**
3. **6**
4. **5**
5. **4**
6. **7**

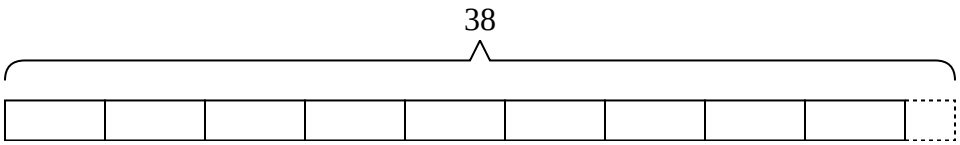
1-6	83	67	50	33	17	0

Solve each problem.

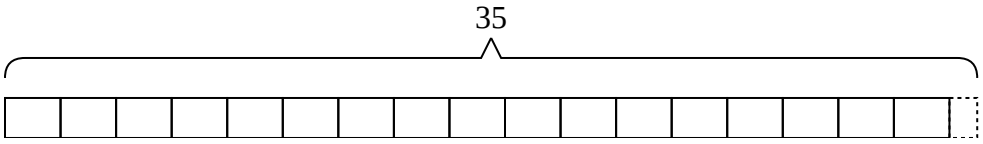
1) It takes {three} grams of plastic to make a ruler. If a company had {nineteen} grams of plastic, how many entire rulers could they make?



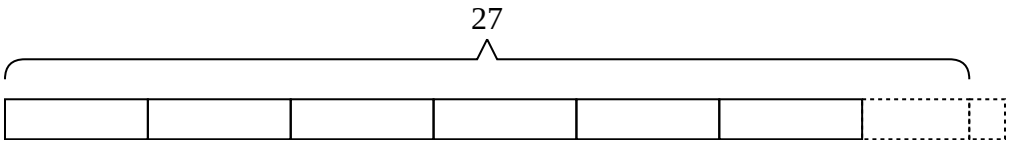
2) Olivia is making bead necklaces. She wants to use {thirty-eight} beads to make {four} necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?



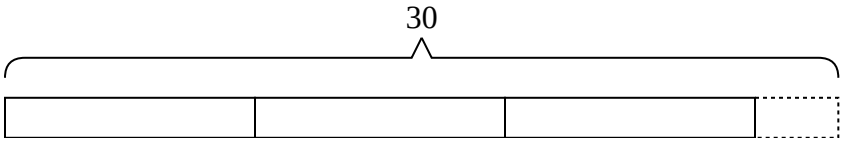
3) A new video game console needs {two} computer chips. If a machine can create {thirty-five} computer chips a day, how many video game consoles can be created in a day?



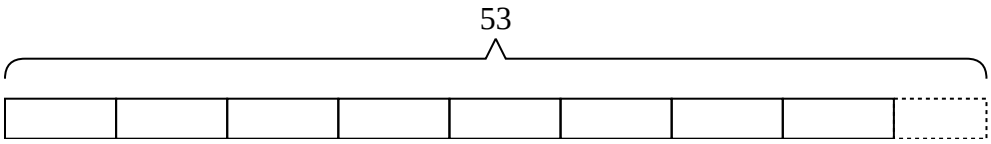
4) A school had {twenty-seven} students sign up for the trivia teams. If they wanted to have {four} team, with the same number of students on each team, how many more students would need to sign up?



5) A coat factory had {thirty} coats. If they wanted to put them into {nine} boxes, with the same number of coats in each box, how many extra coats would they have left over?



6) Haley had {fifty-three} photos to put into a photo album. If each page holds {six} photos, how many full pages will she have?



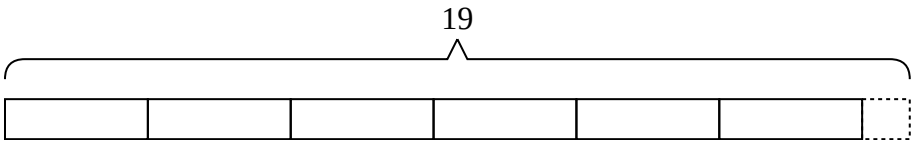
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

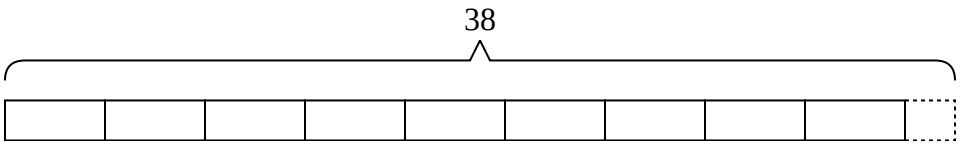
1-6	83	67	50	33	17	0

Solve each problem.

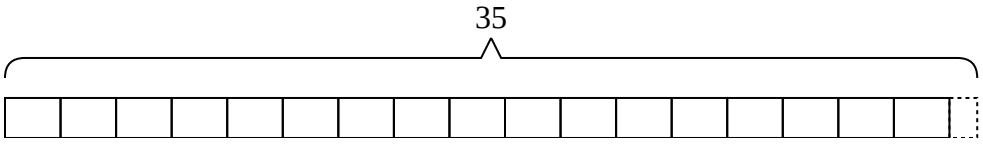
1) It takes {three} grams of plastic to make a ruler. If a company had {nineteen} grams of plastic, how many entire rulers could they make?



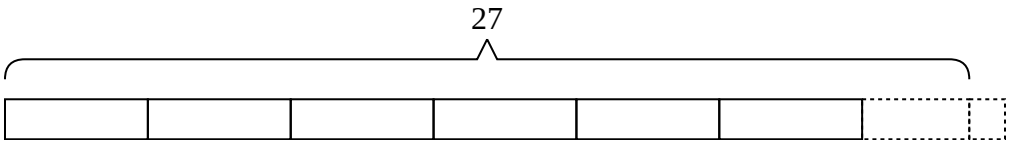
2) Olivia is making bead necklaces. She wants to use {thirty-eight} beads to make {four} necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?



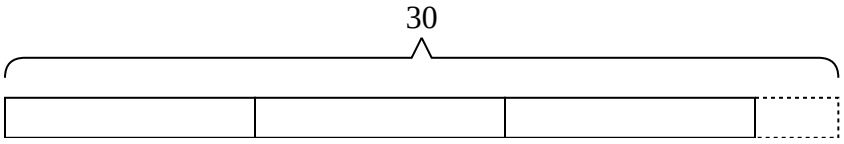
3) A new video game console needs {two} computer chips. If a machine can create {thirty-five} computer chips a day, how many video game consoles can be created in a day?



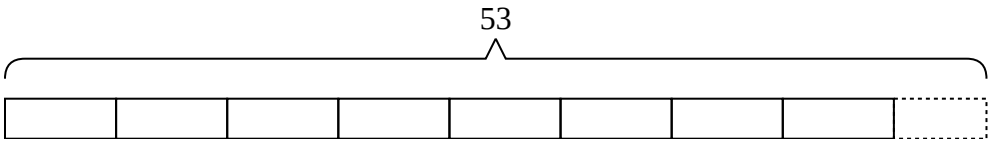
4) A school had {twenty-seven} students sign up for the trivia teams. If they wanted to have {four} team, with the same number of students on each team, how many more students would need to sign up?



5) A coat factory had {thirty} coats. If they wanted to put them into {nine} boxes, with the same number of coats in each box, how many extra coats would they have left over?



6) Haley had {fifty-three} photos to put into a photo album. If each page holds {six} photos, how many full pages will she have?



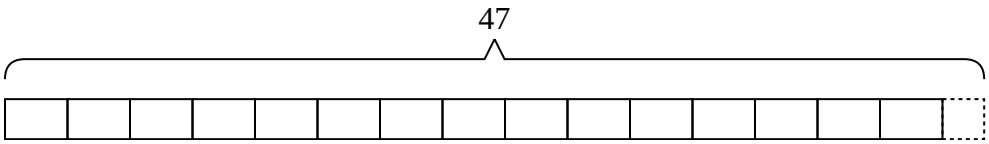
Answers

1. **6**
2. **2**
3. **17**
4. **1**
5. **3**
6. **8**

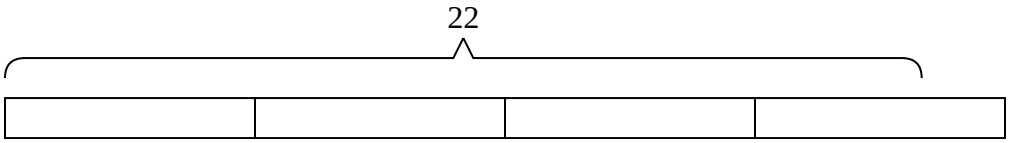
1-6	83	67	50	33	17	0

Solve each problem.

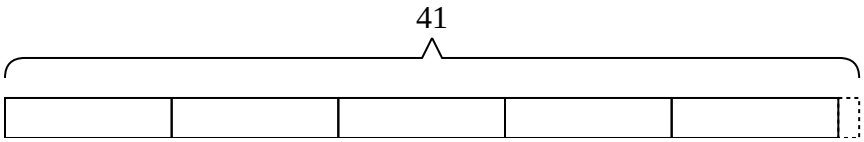
1) A coat factory had {forty-seven} coats. If they wanted to put them into {three} boxes, with the same number of coats in each box, how many extra coats would they have left over?



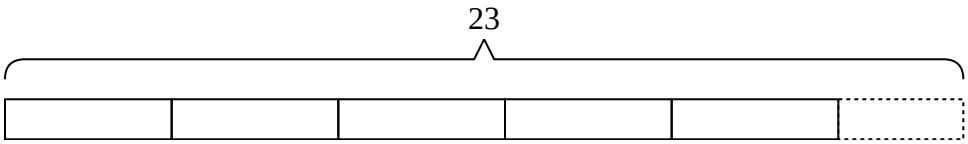
2) A truck can hold {six} boxes. If you needed to move {twenty-two} boxes across town, how many trips would you need to make?



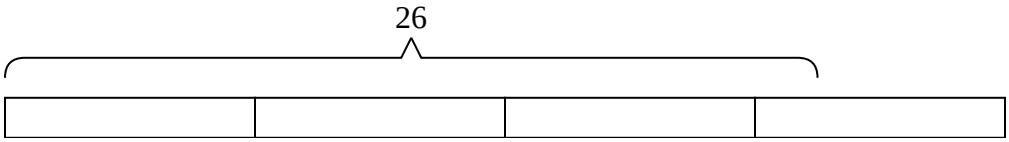
3) Janet had {forty-one} songs on her mp3 player. If she wanted to put the songs equally into {eight} different playlists, how many songs would she have left over?



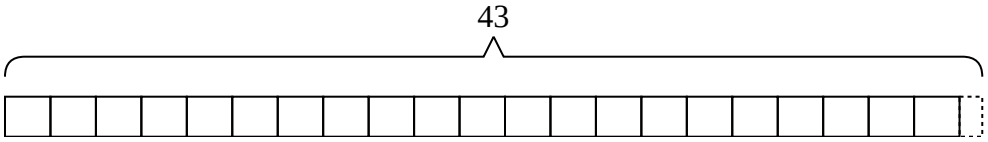
4) A cafeteria was putting milk cartons into stacks. They had {twenty-three} cartons and were putting them into stacks with {four} cartons in each stack. How many full stacks could they make?



5) Adam is trying to earn {twenty-six} dollars for some new toys. If he charges {eight} dollars to mow a lawn, how many lawns will he need to mow to earn the money?



6) The roller coaster at the state fair costs {two} tickets per ride. If you had {forty-three} tickets, how many tickets would you have left if you rode it as many times as you could?



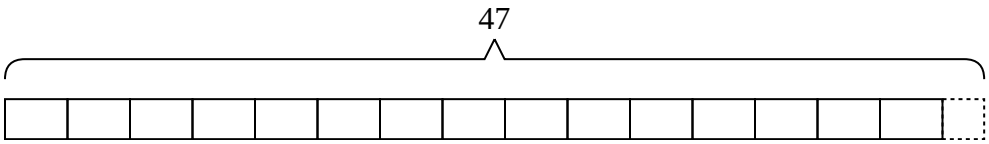
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

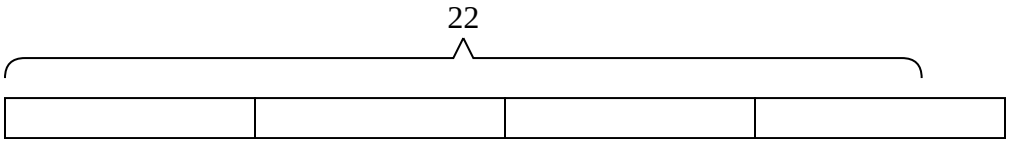
1-6	83	67	50	33	17	0

Solve each problem.

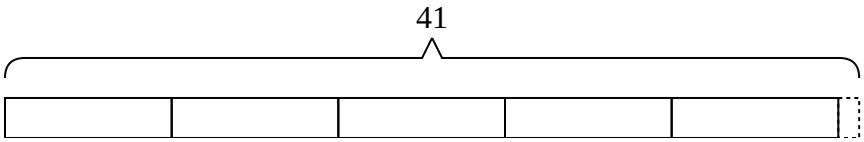
1) A coat factory had {forty-seven} coats. If they wanted to put them into {three} boxes, with the same number of coats in each box, how many extra coats would they have left over?



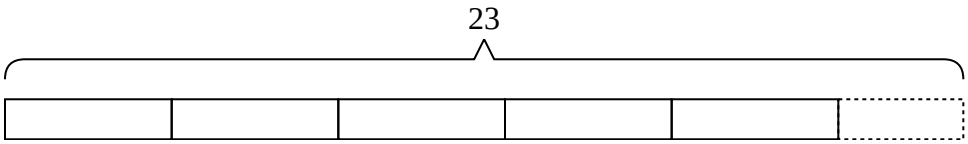
2) A truck can hold {six} boxes. If you needed to move {twenty-two} boxes across town, how many trips would you need to make?



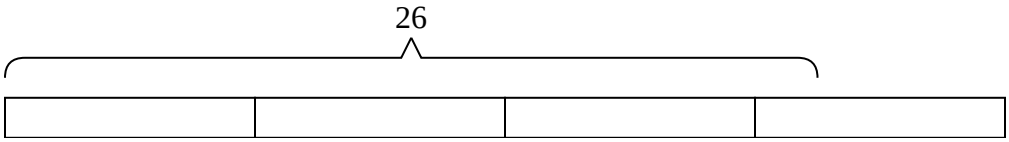
3) Janet had {forty-one} songs on her mp3 player. If she wanted to put the songs equally into {eight} different playlists, how many songs would she have left over?



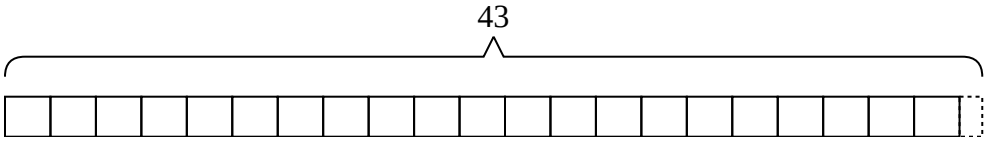
4) A cafeteria was putting milk cartons into stacks. They had {twenty-three} cartons and were putting them into stacks with {four} cartons in each stack. How many full stacks could they make?



5) Adam is trying to earn {twenty-six} dollars for some new toys. If he charges {eight} dollars to mow a lawn, how many lawns will he need to mow to earn the money?



6) The roller coaster at the state fair costs {two} tickets per ride. If you had {forty-three} tickets, how many tickets would you have left if you rode it as many times as you could?



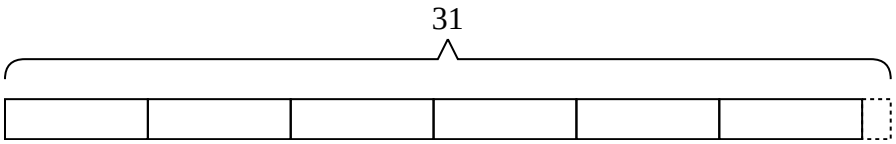
Answers

1. **2**
2. **4**
3. **1**
4. **5**
5. **4**
6. **1**

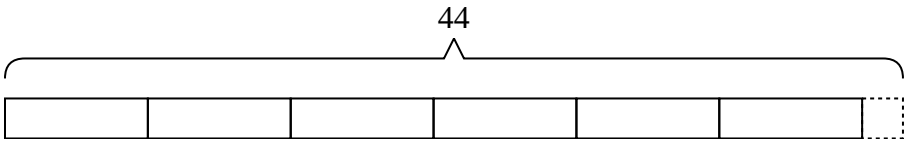
1-6	83	67	50	33	17	0

Solve each problem.

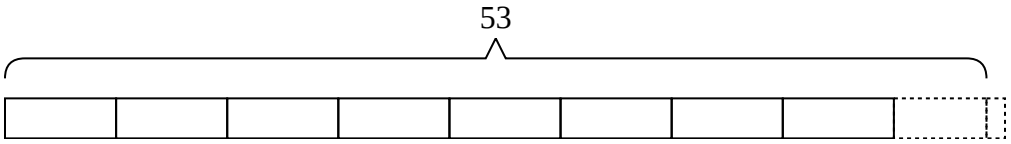
1) A new video game console needs {five} computer chips. If a machine can create {thirty-one} computer chips a day, how many video game consoles can be created in a day?



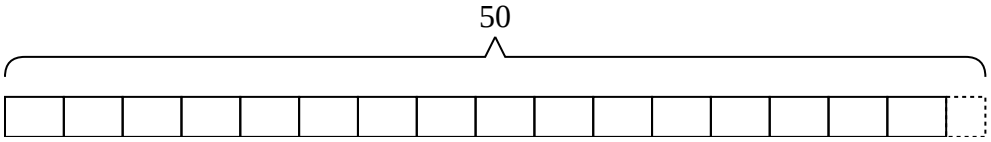
2) Rachel received {forty-four} dollars for her birthday. Later she found some toys that cost {seven} dollars each. How much money would she have left if she bought as many as she could?



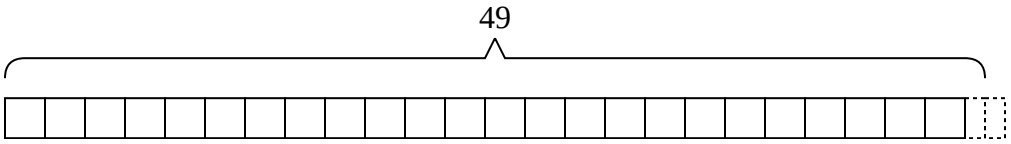
3) A botanist picked {fifty-three} flowers. She wanted to put them into {six} bouquets with the same number of flowers in each. How many more should she pick so she doesn't have any extra?



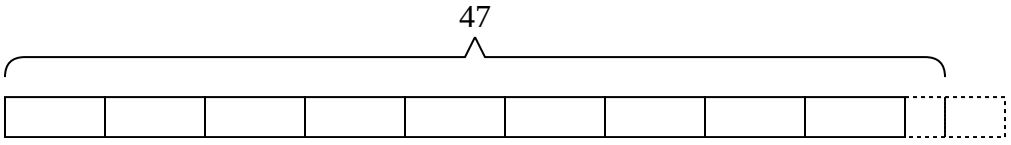
4) Paul's dad bought {fifty} meters of string. If he wanted to cut the string into pieces with each piece being {three} meters long, how many full sized pieces could he make?



5) At the carnival, {two} friends bought {forty-nine} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?



6) A school had {forty-seven} students sign up for the trivia teams. If they wanted to have {five} team, with the same number of students on each team, how many more students would need to sign up?



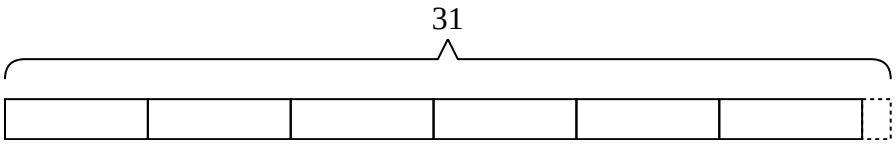
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

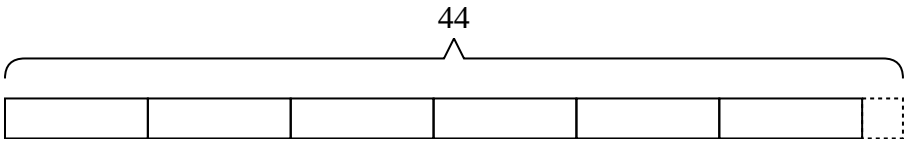
1-6	83	67	50	33	17	0

Solve each problem.

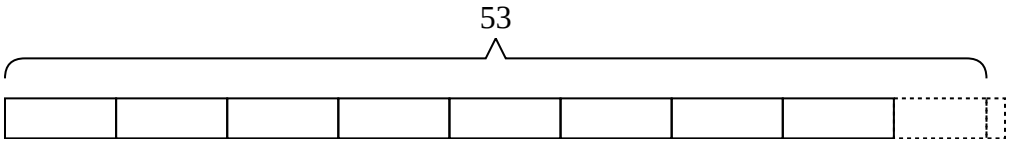
1) A new video game console needs {five} computer chips. If a machine can create {thirty-one} computer chips a day, how many video game consoles can be created in a day?



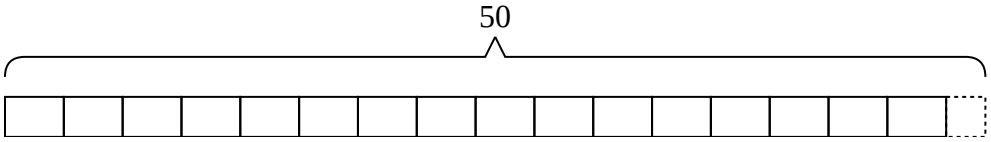
2) Rachel received {forty-four} dollars for her birthday. Later she found some toys that cost {seven} dollars each. How much money would she have left if she bought as many as she could?



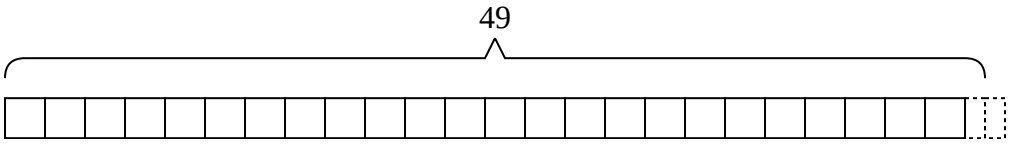
3) A botanist picked {fifty-three} flowers. She wanted to put them into {six} bouquets with the same number of flowers in each. How many more should she pick so she doesn't have any extra?



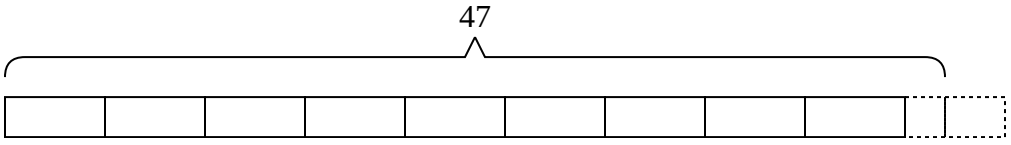
4) Paul's dad bought {fifty} meters of string. If he wanted to cut the string into pieces with each piece being {three} meters long, how many full sized pieces could he make?



5) At the carnival, {two} friends bought {forty-nine} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?



6) A school had {forty-seven} students sign up for the trivia teams. If they wanted to have {five} team, with the same number of students on each team, how many more students would need to sign up?



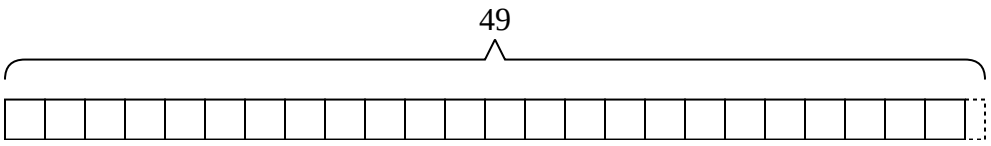
Answers

1. **6**
2. **2**
3. **1**
4. **16**
5. **1**
6. **3**

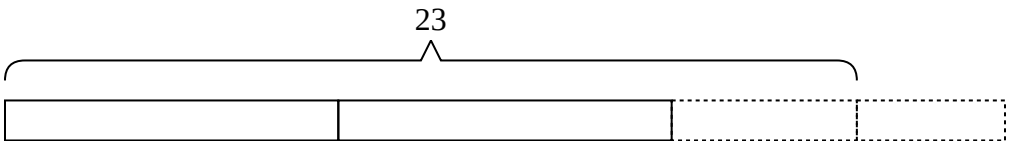
1-6	83	67	50	33	17	0

Solve each problem.

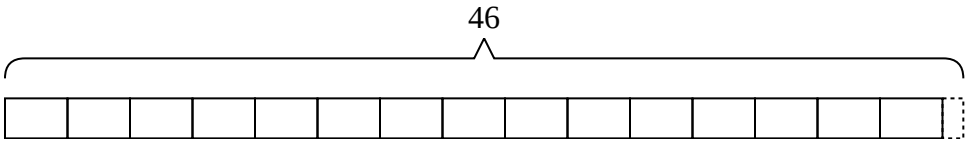
1) Debby is making bead necklaces. She wants to use {forty-nine} beads to make {two} necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?



2) At the carnival, {nine} friends bought {twenty-three} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?

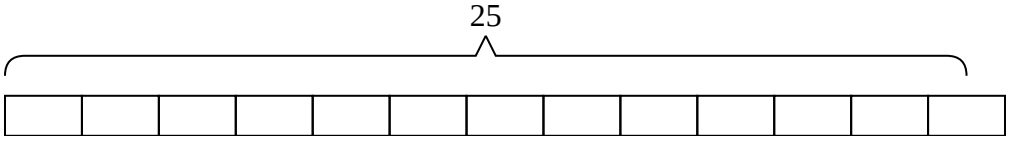


3) A cafeteria was putting milk cartons into stacks. They had {forty-six} cartons and were putting them into stacks with {three} cartons in each stack. How many full stacks could they make?

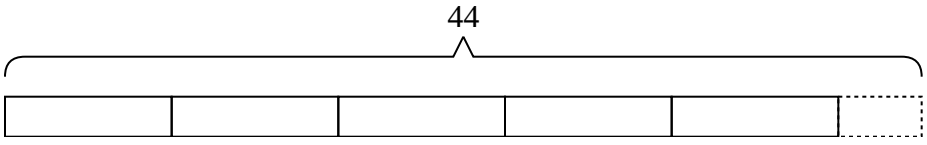


4) George had {thirty-one} pieces of candy. If he wants to split the candy into {seven} bags with the same amount of candy in each bag, how many more pieces would he need to make sure each bag had the same amount?

5) There are {twenty-five} students going to a trivia competition. If each school van can hold {two} students, how many vans will they need?



6) An airline has {forty-four} pieces of luggage to put away. If each luggage compartment will hold {eight} pieces of luggage, how many will be in the compartment that isn't full?



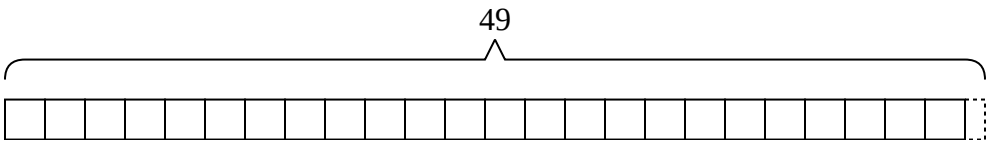
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

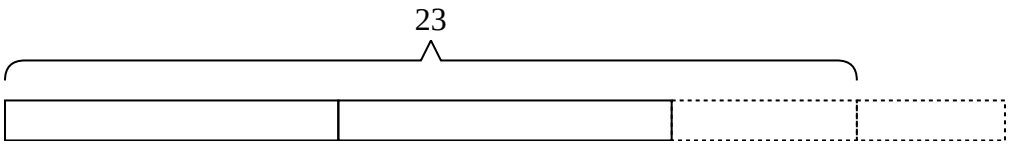
1-6	83	67	50	33	17	0

Solve each problem.

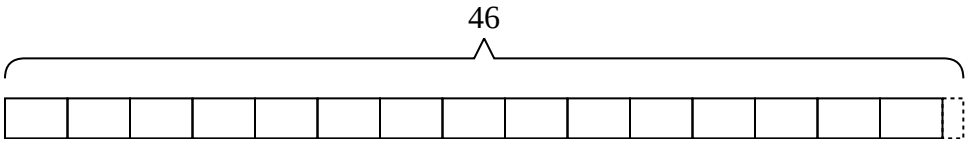
1) Debby is making bead necklaces. She wants to use {forty-nine} beads to make {two} necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?



2) At the carnival, {nine} friends bought {twenty-three} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?

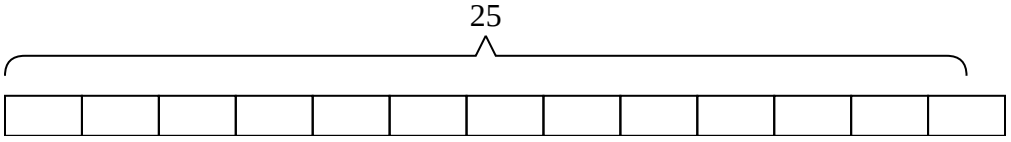


3) A cafeteria was putting milk cartons into stacks. They had {forty-six} cartons and were putting them into stacks with {three} cartons in each stack. How many full stacks could they make?

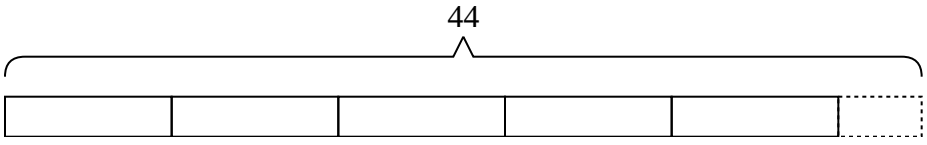


4) George had {thirty-one} pieces of candy. If he wants to split the candy into {seven} bags with the same amount of candy in each bag, how many more pieces would he need to make sure each bag had the same amount?

5) There are {twenty-five} students going to a trivia competition. If each school van can hold {two} students, how many vans will they need?



6) An airline has {forty-four} pieces of luggage to put away. If each luggage compartment will hold {eight} pieces of luggage, how many will be in the compartment that isn't full?



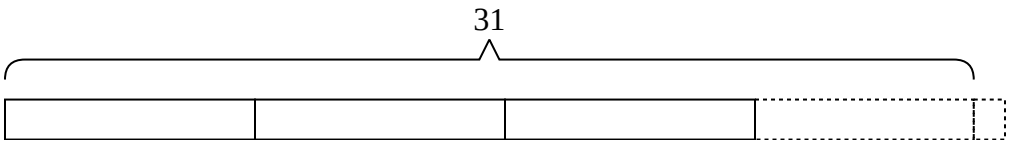
Answers

1. **1**
2. **4**
3. **15**
4. **4**
5. **13**
6. **4**

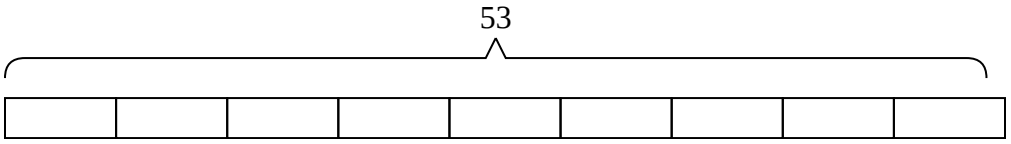
1-6	83	67	50	33	17	0

Solve each problem.

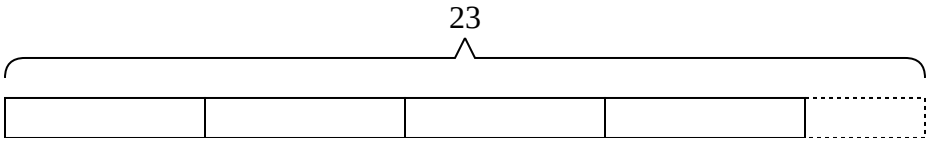
1) A movie store had {thirty-one} movies they were putting on {eight} shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?



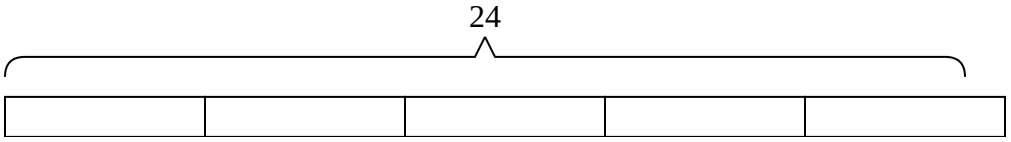
2) There are {fifty-three} students going to a trivia competition. If each school van can hold {six} students, how many vans will they need?



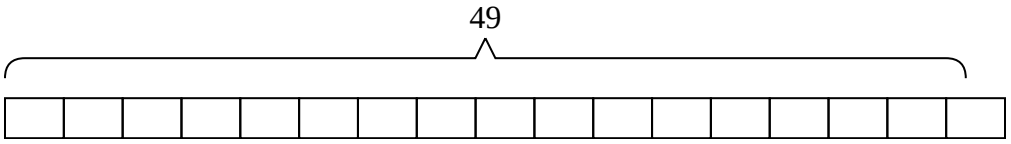
3) A baker had {five} boxes for donuts. He ended up making {twenty-three} donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?



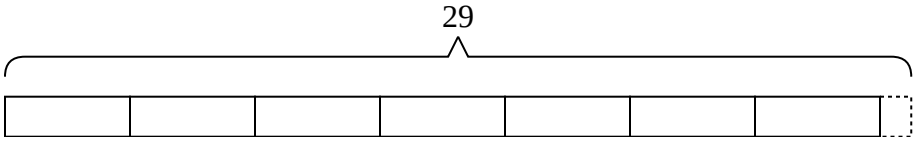
4) A clown needed {twenty-four} balloons for a party he was going to, but the balloons only came in packs of {five}. How many packs of balloons would he need to buy?



5) Adam was trying to beat his old score of {forty-nine} points in a video game. If he scores exactly {three} points each round, how many rounds would he need to play to beat his old score?



6) Olivia had {twenty-nine} songs on her mp3 player. If she wanted to put the songs equally into {four} different playlists, how many songs would she have left over?



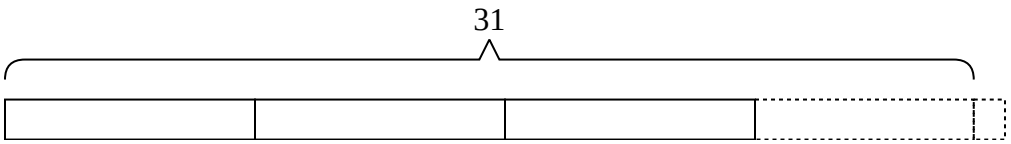
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

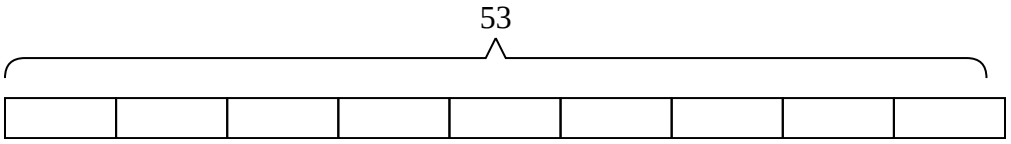
1-6	83	67	50	33	17	0

Solve each problem.

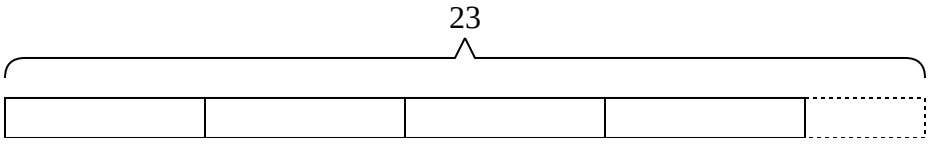
1) A movie store had {thirty-one} movies they were putting on {eight} shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?



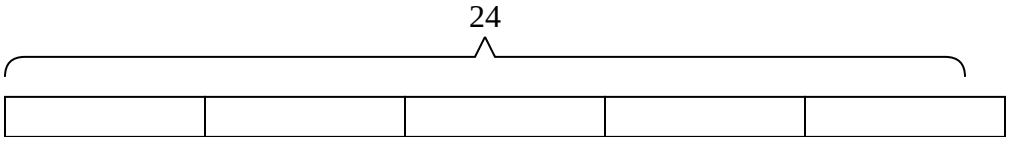
2) There are {fifty-three} students going to a trivia competition. If each school van can hold {six} students, how many vans will they need?



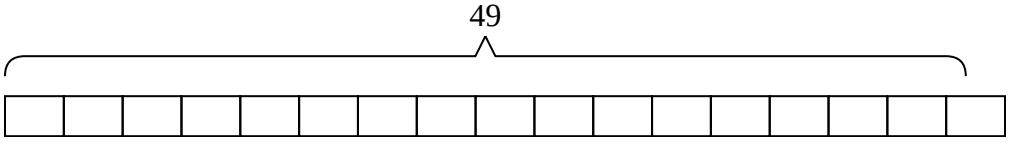
3) A baker had {five} boxes for donuts. He ended up making {twenty-three} donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?



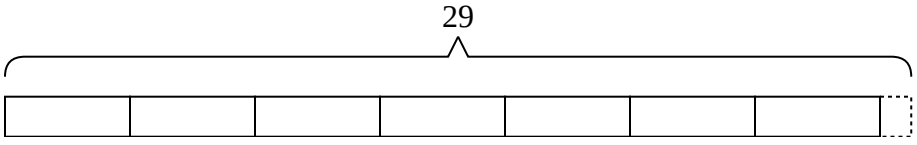
4) A clown needed {twenty-four} balloons for a party he was going to, but the balloons only came in packs of {five}. How many packs of balloons would he need to buy?



5) Adam was trying to beat his old score of {forty-nine} points in a video game. If he scores exactly {three} points each round, how many rounds would he need to play to beat his old score?



6) Olivia had {twenty-nine} songs on her mp3 player. If she wanted to put the songs equally into {four} different playlists, how many songs would she have left over?



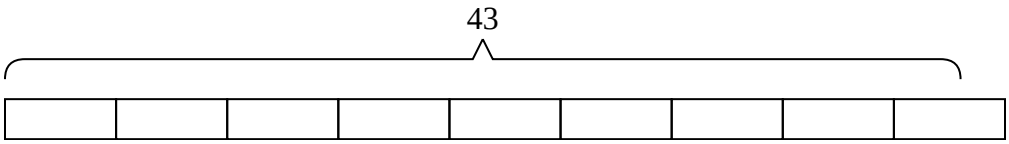
Answers

1. **1**
2. **9**
3. **3**
4. **5**
5. **17**
6. **1**

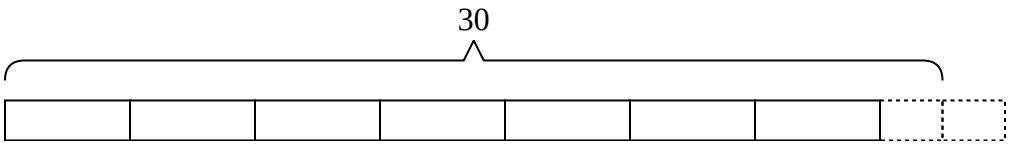
1-6	83	67	50	33	17	0

Solve each problem.

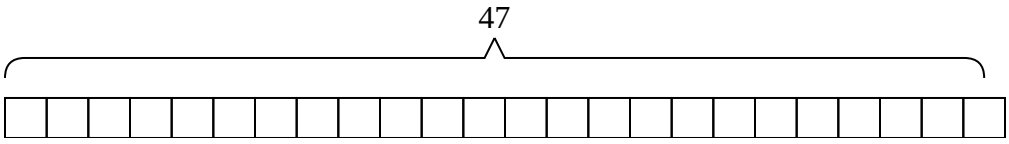
1) A flash drive could hold {five} gigs of data. If you needed to store {forty-three} gigs, how many flash drive would you need?



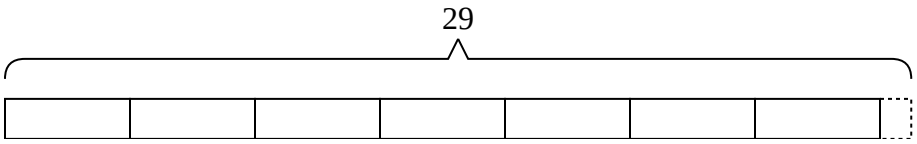
2) Rachel had {thirty} pennies. She wanted to place the pennies into {four} stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?



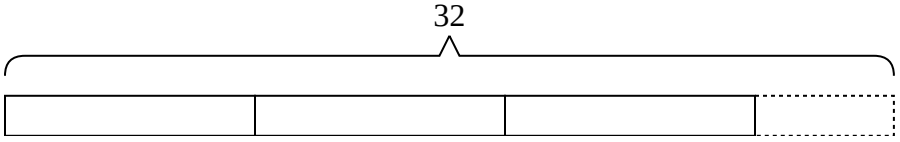
3) A truck can hold {two} boxes. If you needed to move {forty-seven} boxes across town, how many trips would you need to make?



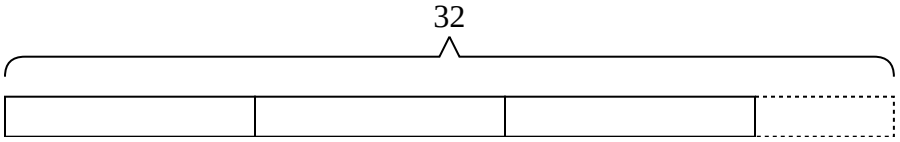
4) The roller coaster at the state fair costs {four} tickets per ride. If you had {twenty-nine} tickets, how many tickets would you have left if you rode it as many times as you could?



5) An industrial machine can make {thirty-two} crayons a day. If each box of crayons has {nine} crayons in it, how many full boxes does the machine make a day?



6) A baker had {nine} boxes for donuts. He ended up making {thirty-two} donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?



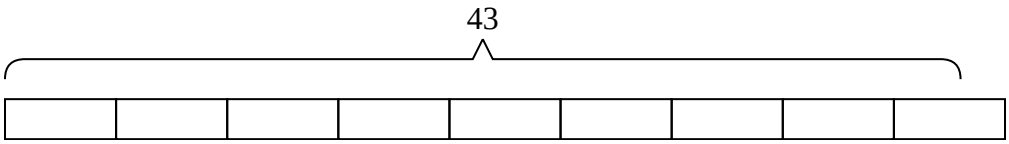
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

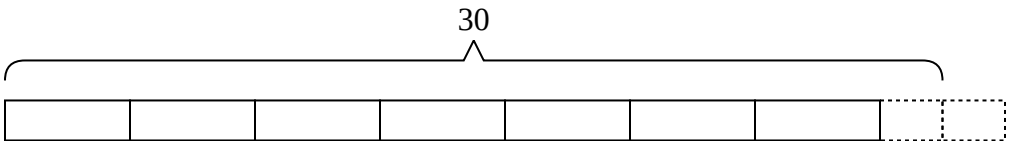
1-6	83	67	50	33	17	0

Solve each problem.

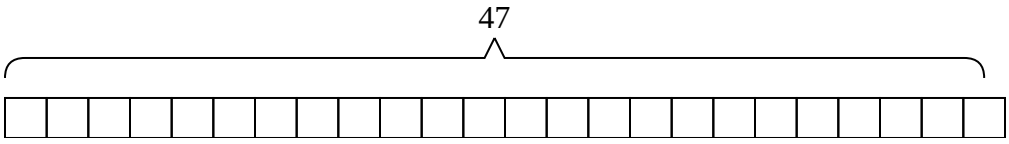
1) A flash drive could hold {five} gigs of data. If you needed to store {forty-three} gigs, how many flash drive would you need?



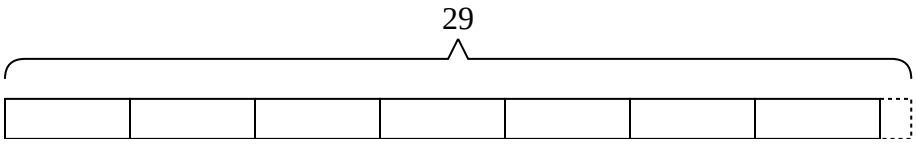
2) Rachel had {thirty} pennies. She wanted to place the pennies into {four} stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?



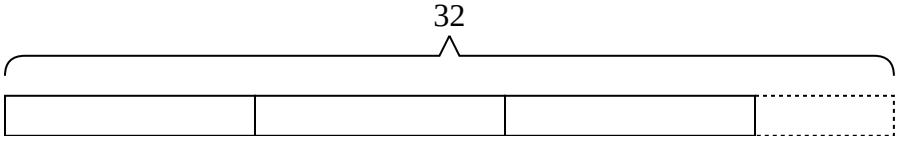
3) A truck can hold {two} boxes. If you needed to move {forty-seven} boxes across town, how many trips would you need to make?



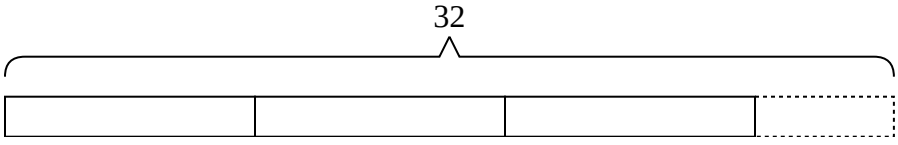
4) The roller coaster at the state fair costs {four} tickets per ride. If you had {twenty-nine} tickets, how many tickets would you have left if you rode it as many times as you could?



5) An industrial machine can make {thirty-two} crayons a day. If each box of crayons has {nine} crayons in it, how many full boxes does the machine make a day?



6) A baker had {nine} boxes for donuts. He ended up making {thirty-two} donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?



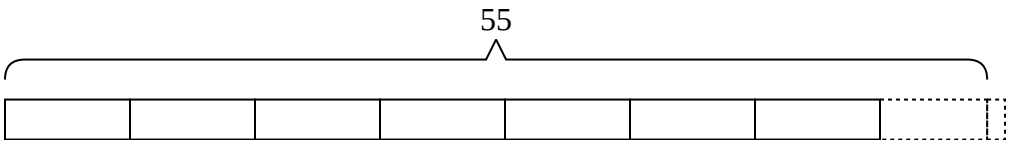
Answers

1. **9**
2. **2**
3. **24**
4. **1**
5. **3**
6. **5**

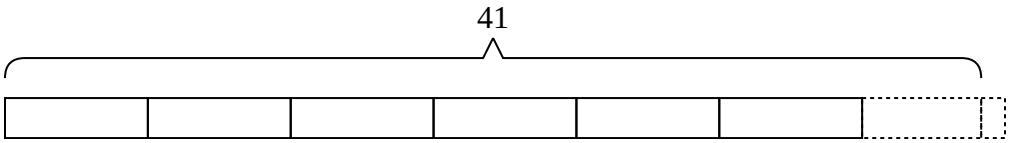
1-6	83	67	50	33	17	0

Solve each problem.

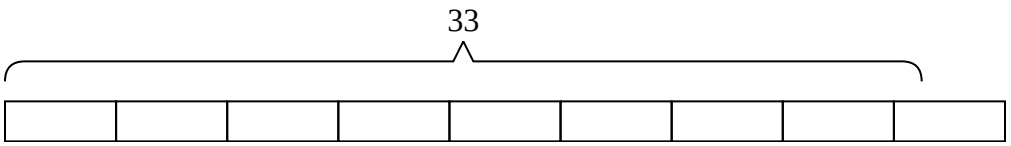
1) At the carnival, {seven} friends bought {fifty-five} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?



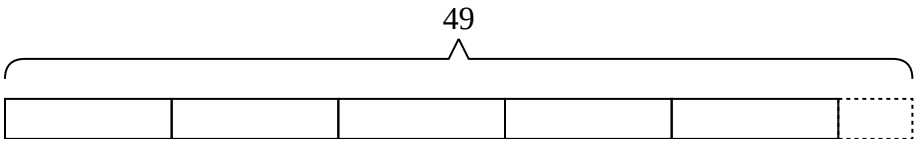
2) A container can hold {six} orange slices. If a company had {forty-one} orange slices to put into containers, how many more slices would they need to fill up the last container?



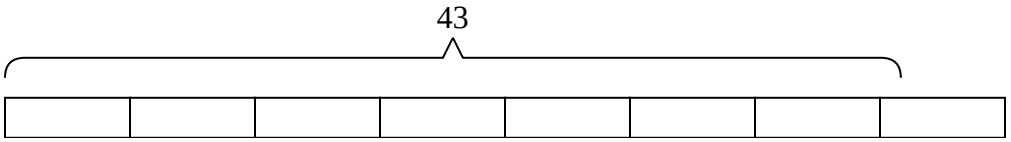
3) Jerry was trying to beat his old score of {thirty-three} points in a video game. If he scores exactly {four} points each round, how many rounds would he need to play to beat his old score?



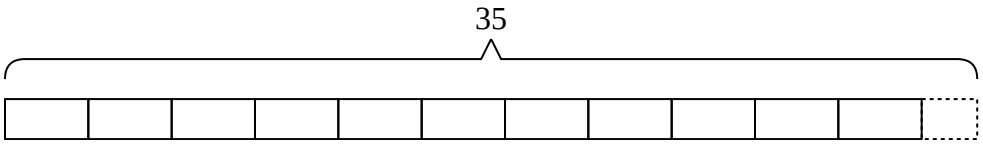
4) A vat of orange juice was {forty-nine} pints. If you wanted to pour the vat into {nine} glasses with the same amount in each glass, how many pints would be in each glass?



5) A movie theater needed {forty-three} popcorn buckets. If each package has {six} buckets in it, how many packages will they need to buy?



6) A machine in a candy company creates {thirty-five} pieces of candy a minute. If a small box of candy has {three} pieces in it how many full boxes does the machine make in a minute?



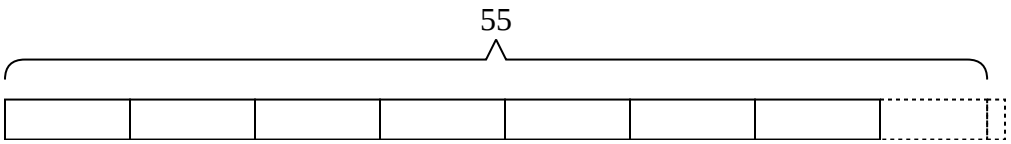
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

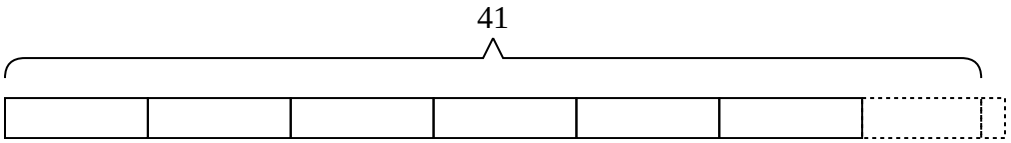
1-6	83	67	50	33	17	0

Solve each problem.

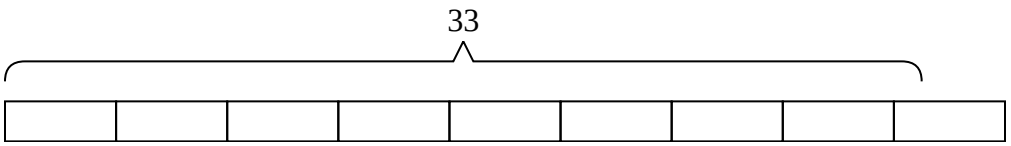
1) At the carnival, {seven} friends bought {fifty-five} tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?



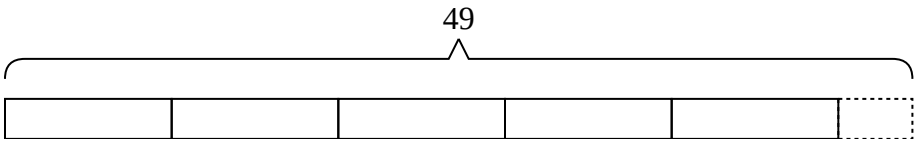
2) A container can hold {six} orange slices. If a company had {forty-one} orange slices to put into containers, how many more slices would they need to fill up the last container?



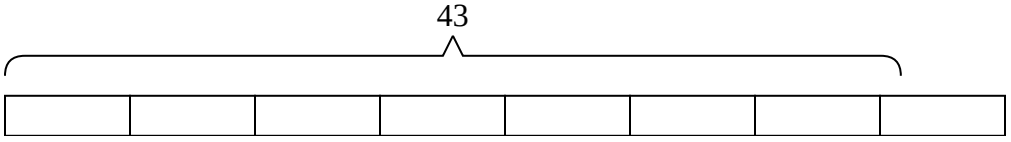
3) Jerry was trying to beat his old score of {thirty-three} points in a video game. If he scores exactly {four} points each round, how many rounds would he need to play to beat his old score?



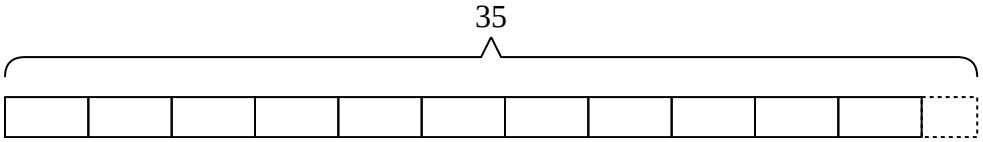
4) A vat of orange juice was {forty-nine} pints. If you wanted to pour the vat into {nine} glasses with the same amount in each glass, how many pints would be in each glass?



5) A movie theater needed {forty-three} popcorn buckets. If each package has {six} buckets in it, how many packages will they need to buy?



6) A machine in a candy company creates {thirty-five} pieces of candy a minute. If a small box of candy has {three} pieces in it how many full boxes does the machine make in a minute?



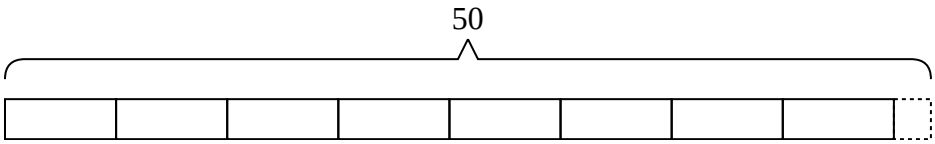
Answers

1. **1**
2. **1**
3. **9**
4. **5**
5. **8**
6. **11**

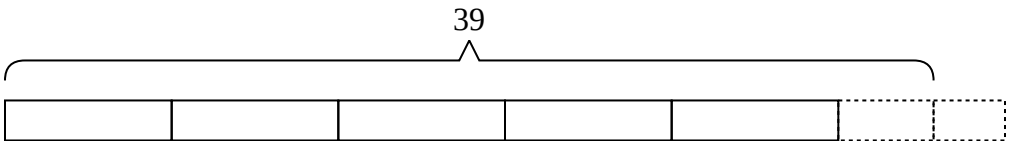
1-6	83	67	50	33	17	0

Solve each problem.

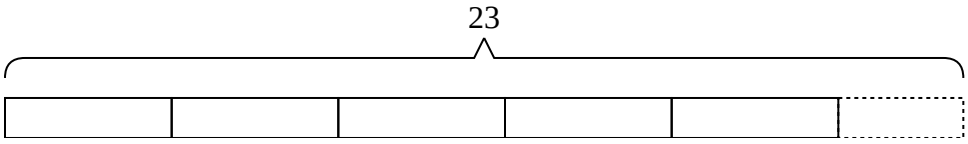
1) A vat of orange juice was {fifty} pints. If you wanted to pour the vat into {six} glasses with the same amount in each glass, how many pints would be in each glass?



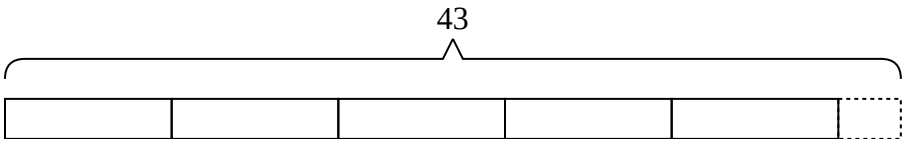
2) A movie store had {thirty-nine} movies they were putting on {seven} shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?



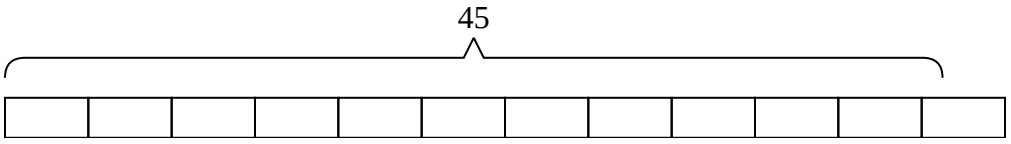
3) A box of computer paper has {twenty-three} sheets left in it. If each printer in a computer lab needed {four} sheets how many printers would the box fill up?



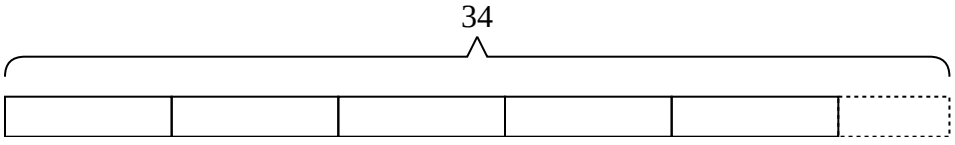
4) The roller coaster at the state fair costs {eight} tickets per ride. If you had {forty-three} tickets, how many tickets would you have left if you rode it as many times as you could?



5) Edward has to sell {forty-five} chocolate bars to win a trip. If each box contains {four} chocolate bars, how many boxes will he need to sell to win the trip?



6) Nancy had {thirty-four} photos to put into a photo album. If each page holds {six} photos, how many full pages will she have?



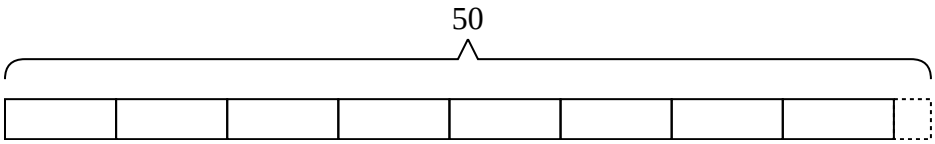
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

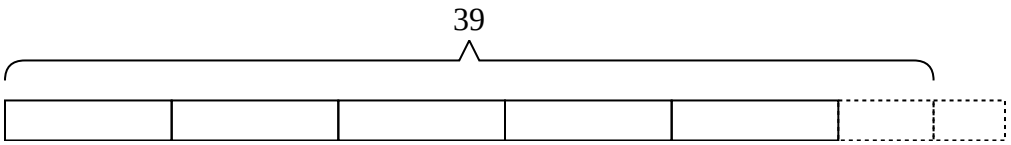
1-6	83	67	50	33	17	0

Solve each problem.

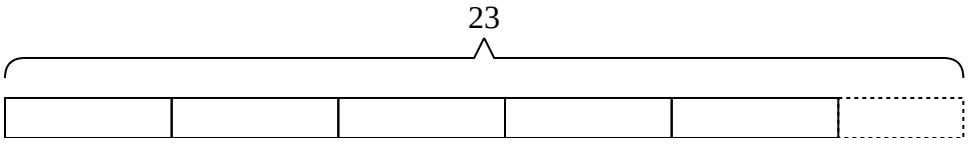
1) A vat of orange juice was {fifty} pints. If you wanted to pour the vat into {six} glasses with the same amount in each glass, how many pints would be in each glass?



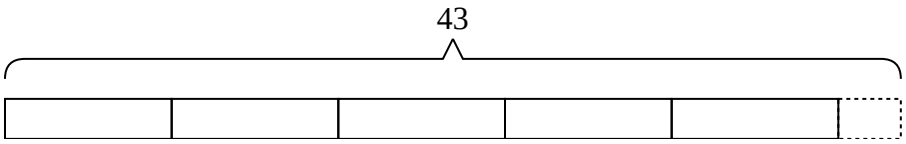
2) A movie store had {thirty-nine} movies they were putting on {seven} shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?



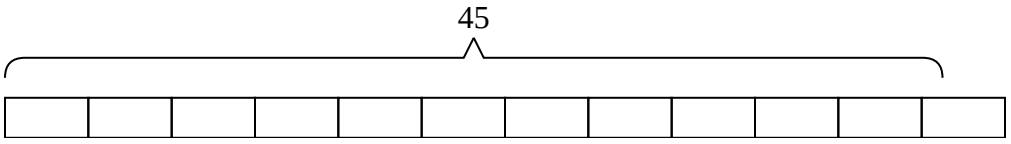
3) A box of computer paper has {twenty-three} sheets left in it. If each printer in a computer lab needed {four} sheets how many printers would the box fill up?



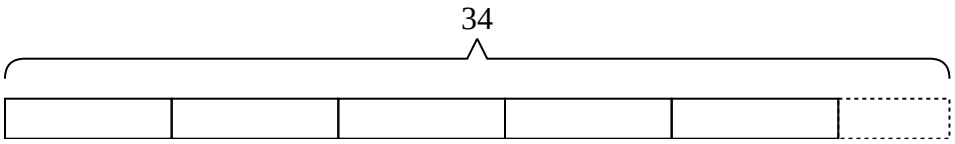
4) The roller coaster at the state fair costs {eight} tickets per ride. If you had {forty-three} tickets, how many tickets would you have left if you rode it as many times as you could?



5) Edward has to sell {forty-five} chocolate bars to win a trip. If each box contains {four} chocolate bars, how many boxes will he need to sell to win the trip?



6) Nancy had {thirty-four} photos to put into a photo album. If each page holds {six} photos, how many full pages will she have?



Answers

1. **8**
2. **3**
3. **5**
4. **3**
5. **12**
6. **5**

1-6	83	67	50	33	17	0