Creating Wholes With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) Robin, her brother and her sister pooled their money to buy a console and some games. Together they had $209. Robin gave 1/3 as much as her sister and her brother gave $15 fewer than her sister. How much did her sister contribute?

1. _____

2. _____

3. _____

4. _____

2) Amanda, Bianca and Cathy bake 411 muffins. Bianca bakes 6 times as many muffins as Cathy. Amanda bakes 18 fewer muffins than Bianca. How many muffins did Cathy bake?

5. _____

3) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 311 cartons. They gave out 7 times as many chocolate as regular and they gave out 19 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?

4) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 8 times as many as he had given to adults. To kids he gave out 8 fewer than he gave to teens. How many balloons did he give to teens, if he gave out 373 balloons all together?

5) Over the holiday weekend a game store sold 115 games. On Saturday they sold twice as many games as on Sunday. And on Friday they sold 10 fewer games than on Saturday. How many games did they sell on Saturday?
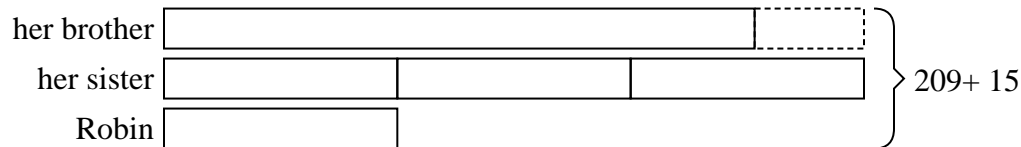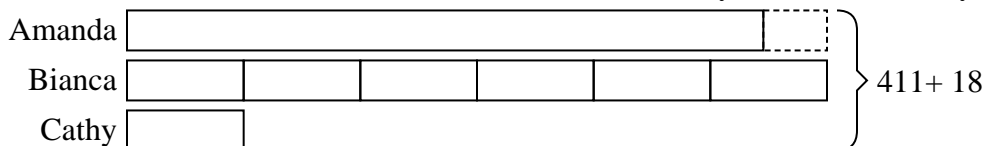
Solve each problem using a tape diagram.

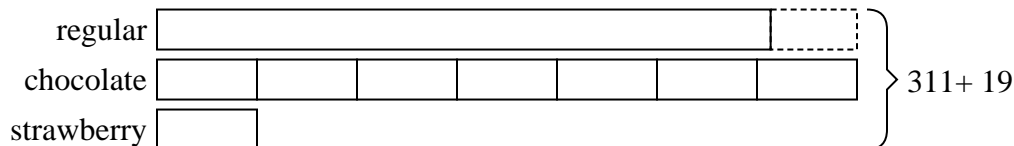**1)** Robin, her brother and her sister pooled their money to buy a console and some games. Together they had $209. Robin gave 1/3 as much as her sister and her brother gave $15 fewer than her sister. How much did her sister contribute?

her brother

her sister   } 209+ 15
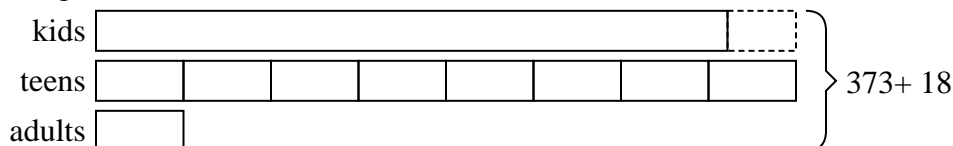
Robin

1. **96**

2. **33**

2) Amanda, Bianca and Cathy bake 411 muffins. Bianca bakes 6 times as many muffins as Cathy. Amanda bakes 18 fewer muffins than Bianca. How many muffins did Cathy bake?

Amanda

Bianca   } 411+ 18

Cathy

3. **154**

4. **184**

5. **50**

3) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 311 cartons. They gave out 7 times as many chocolate as regular and they gave out 19 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?

regular

chocolate   } 311+ 19

strawberry

4) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 8 times as many as he had given to adults. To kids he gave out 8 fewer than he gave to teens. How many balloons did he give to teens, if he gave out 373 balloons all together?

kids

teens   } 373+ 18

adults

5) Over the holiday weekend a game store sold 115 games. On Saturday they sold twice as many games as on Sunday. And on Friday they sold 10 fewer games than on Saturday. How many games did they sell on Saturday?

Friday

Saturday   } 115+ 10

Sunday