Solve each problem using a tape diagram.

1) Nancy, her brother and her sister pooled their money to buy a console and some games. Together they had \$185. Nancy gave 1/2 as much as her sister and her brother gave \$15 fewer than her sister. How much did her brother contribute?

2) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 241 sodas. They sold 1/4 as many small sodas as they did large sodas. And they sold 20 fewer medium sodas as they did large sodas. How many small sodas did they sell?

Answers

- 3. _____
- 4. _____
- 5. _____

3) Carol sent 487 text messages over the summer. In July she sent 5 times as many as she did in August. And in June she sent 19 fewer than in July. How many texts did she send in July?

4) Mike earned \$395 mowing lawns over the summer. In July he earned 4 times as much as he did in August. And in June he earned 19 dollars fewer than in July. How much money did he earn in July?

5) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 6 times as many as he had given to adults. To kids he gave out 6 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 363 balloons all together?

Creating Wh

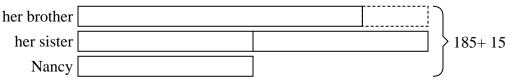
oles With Tape Diagram

Name:

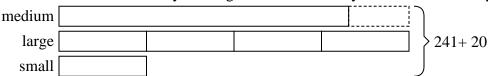
Answer Key

Calva	aaah	nnahlam	ucina	o to	no	diagram
Solve	eacii	bi oniem	using	a ta	ıpe	diagram.

1) Nancy, her brother and her sister pooled their money to buy a console and some games. Together they had \$185. Nancy gave 1/2 as much as her sister and her brother gave \$15 fewer than her sister. How much did her brother contribute?



2) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 241 sodas. They sold 1/4 as many small sodas as they did large sodas. And they sold 20 fewer medium sodas as they did large sodas. How many small sodas did they sell?



3) Carol sent 487 text messages over the summer. In July she sent 5 times as many as she did in August. And in June she sent 19 fewer than in July. How many texts did she send in July?

June				
July				487+ 19
August			J	

4) Mike earned \$395 mowing lawns over the summer. In July he earned 4 times as much as he did in August. And in June he earned 19 dollars fewer than in July. How much money did he earn in July?

June			·		
July				>	395+ 19
August				J	

5) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 6 times as many as he had given to adults. To kids he gave out 6 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 363 balloons all together?

kids				
teens				363+14
dults				

65
