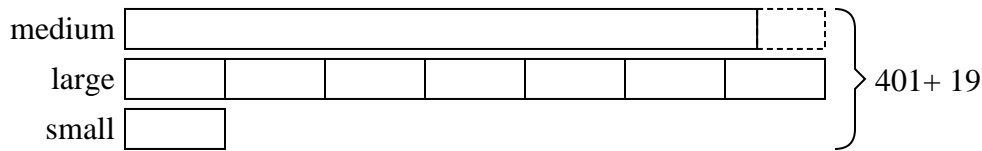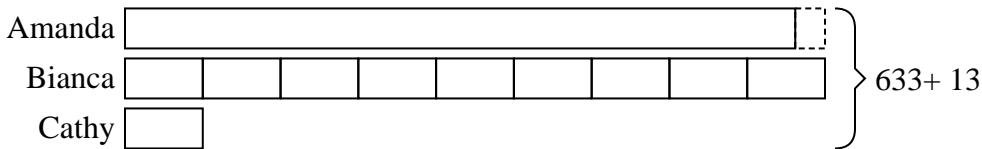# Creating Wholes With Tape Diagram

Solve each problem using a tape diagram.

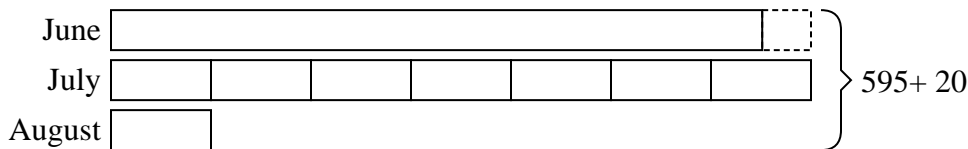**1)** A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 401 sodas. They sold 1/7 as many small sodas as they did large sodas. And they sold 19 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

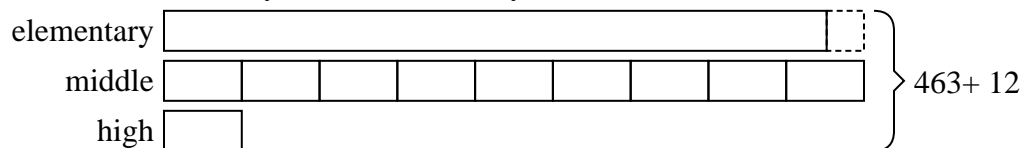1. _____

2. _____

3. _____

4. _____

2) Amanda, Bianca and Cathy bake 633 muffins. Bianca bakes 9 times as many muffins as Cathy. Amanda bakes 13 fewer muffins than Bianca. How many muffins did Cathy bake?

5. _____

3) Henry earned $595 mowing lawns over the summer. In July he earned 7 times as much as he did in August. And in June he earned 20 dollars fewer than in July. How much money did he earn in July?

4) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $463. The middle school ended up earning 9 times as much as the high school and the elementary earned $12 fewer than the high school. How much money did the elementary school earn?

5) Over the holiday weekend a game store sold 468 games. On Saturday they sold 6 times as many games as on Sunday. And on Friday they sold 13 fewer games than on Saturday. How many games did they sell on Saturday?

Solve each problem using a tape diagram.

1) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 401 sodas. They sold 1/7 as many small sodas as they did large sodas. And they sold 19 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

medium

large   401+ 19

small

1. _____ **177**

2) Amanda, Bianca and Cathy bake 633 muffins. Bianca bakes 9 times as many muffins as Cathy. Amanda bakes 13 fewer muffins than Bianca. How many muffins did Cathy bake?

Amanda

Bianca   633+ 13

Cathy

2. _____ **34**

3) Henry earned $595 mowing lawns over the summer. In July he earned 7 times as much as he did in August. And in June he earned 20 dollars fewer than in July. How much money did he earn in July?

June

July   595+ 20

August

3. _____ **287**

4) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $463. The middle school ended up earning 9 times as much as the high school and the elementary earned $12 fewer than the high school. How much money did the elementary school earn?

elementary

middle   463+ 12

high

4. _____ **213**

5) Over the holiday weekend a game store sold 468 games. On Saturday they sold 6 times as many games as on Sunday. And on Friday they sold 13 fewer games than on Saturday. How many games did they sell on Saturday?

Friday

Saturday   468+ 13

Sunday

5. _____ **222**