Creating Wholes With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) Amanda, Bianca and Cathy bake 448 muffins. Bianca bakes 7 times as many muffins as Cathy. Amanda bakes 17 fewer muffins than Bianca. How many muffins did Cathy bake?

2) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 805 cartons. They gave out 8 times as many chocolate as regular and they gave out 11 fewer strawberry than chocolate. How many cartons of strawberry milk did they give out?

3) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $234. The middle school ended up earning 3 times as much as the high school and the elementary earned $11 fewer than the high school. How much money did the elementary school earn?

4) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out twice as many as he had given to adults. To kids he gave out 2 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 188 balloons all together?

5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 617 sodas. They sold 1/8 as many small sodas as they did large sodas. And they sold 12 fewer medium sodas as they did large sodas. How many small sodas did they sell?
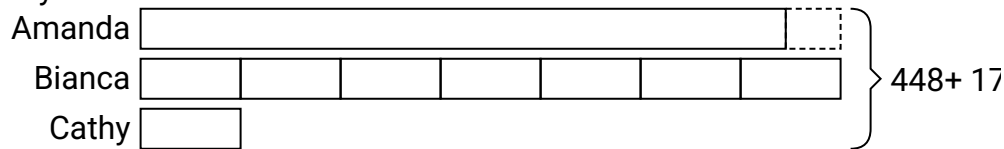
Creating Wholes With Tape Diagram
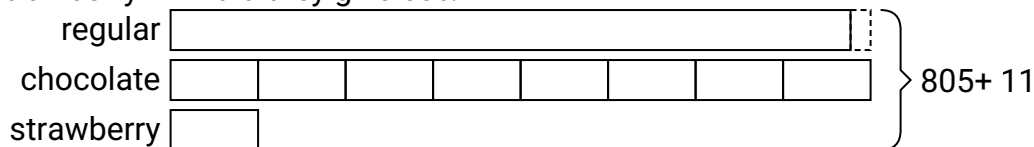
Name:

Answer Key
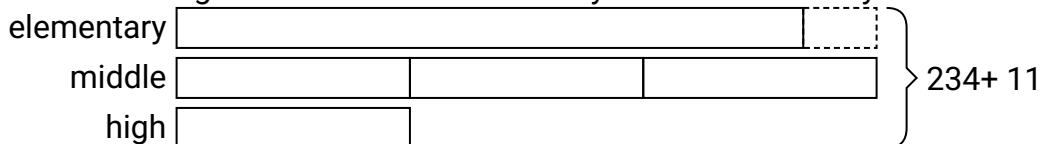
Solve each problem using a tape diagram.

Answers

1) Amanda, Bianca and Cathy bake 448 muffins. Bianca bakes 7 times as many muffins as Cathy. Amanda bakes 17 fewer muffins than Bianca. How many muffins did Cathy bake?
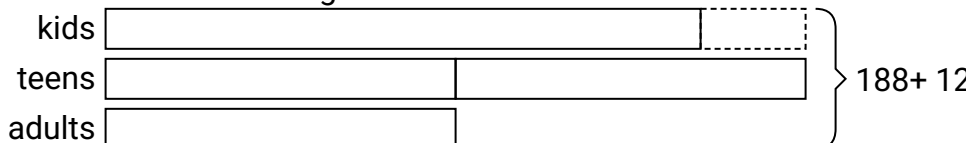
Amanda

Bianca   } 448+ 17

Cathy

2) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 805 cartons. They gave out 8 times as many chocolate as regular and they gave out 11 fewer strawberry than chocolate. How many cartons of strawberry milk did they give out?

regular

chocolate   } 805+ 11

strawberry

3) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $234. The middle school ended up earning 3 times as much as the high school and the elementary earned $11 fewer than the high school. How much money did the elementary school earn?

elementary

middle   } 234+ 11

high

4) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out twice as many as he had given to adults. To kids he gave out 2 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 188 balloons all together?

kids

teens   } 188+ 12

adults

5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 617 sodas. They sold 1/8 as many small sodas as they did large sodas. And they sold 12 fewer medium sodas as they did large sodas. How many small sodas did they sell?

medium

large   } 617+ 12

small

1. _____ **31**

2. _____ **48**

3. _____ **94**

4. _____ **40**

5. _____ **37**

Math

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1-5 | 80 | 60 | 40 | 20 | 0