Creating Wholes With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) Faye, her brother and her sister pooled their money to buy a console and some games. Together they had $214. Faye gave 1/2 as much as her sister and her brother gave $11 fewer than her sister. How much did her brother contribute?

2) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $386. The middle school ended up earning 5 times as much as the high school and the elementary earned $10 fewer than the high school. How much money did the high school earn?

3) Over the holiday weekend a game store sold 882 games. On Saturday they sold 9 times as many games as on Sunday. And on Friday they sold 11 fewer games than on Saturday. How many games did they sell on Saturday?

4) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 359 sodas. They sold 1/5 as many small sodas as they did large sodas. And they sold 15 fewer medium sodas as they did large sodas. How many large sodas did they sell?

5) 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 kids, if he gave out 224 balloons all together?

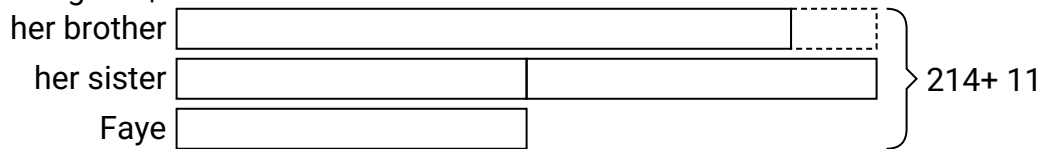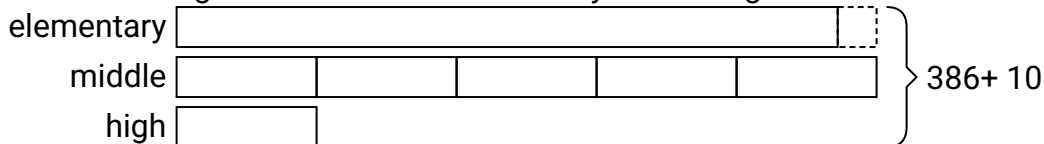1. _____

2. _____

3. _____

4. _____

5. _____

Name: **Answer Key**

Solve each problem using a tape diagram.

Answers

1. **79**

2. **36**

3. **423**

4. **170**

5. **80**

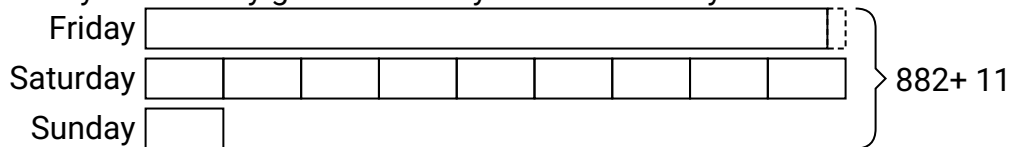**1)** Faye, her brother and her sister pooled their money to buy a console and some games. Together they had $214. Faye gave 1/2 as much as her sister and her brother gave $11 fewer than her sister. How much did her brother contribute?
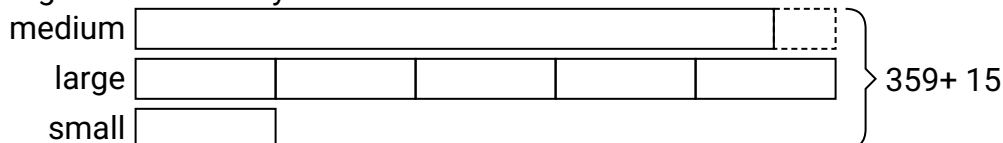
her brother ┤
her sister ┤ 214+ 11
Faye ┤

2) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $386. The middle school ended up earning 5 times as much as the high school and the elementary earned $10 fewer than the high school. How much money did the high school earn?

elementary ┤
middle ┤ 386+ 10
high ┤

3) Over the holiday weekend a game store sold 882 games. On Saturday they sold 9 times as many games as on Sunday. And on Friday they sold 11 fewer games than on Saturday. How many games did they sell on Saturday?

Friday ┤
Saturday ┤ 882+ 11
Sunday ┤

4) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 359 sodas. They sold 1/5 as many small sodas as they did large sodas. And they sold 15 fewer medium sodas as they did large sodas. How many large sodas did they sell?

medium ┤
large ┤ 359+ 15
small ┤

5) 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 kids, if he gave out 224 balloons all together?

kids ┤
teens ┤ 224+ 16
adults ┤