



Solve each problem using a tape diagram.

Answers

- 1) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 207 sodas. They sold $\frac{1}{2}$ as many small sodas as they did large sodas. And they sold 13 fewer medium sodas as they did large sodas. How many small sodas did they sell?

- 2) Faye, her brother and her sister pooled their money to buy a console and some games. Together they had \$492. Faye gave $\frac{1}{5}$ as much as her sister and her brother gave \$14 fewer than her sister. How much did her brother contribute?

- 3) Amanda, Bianca and Cathy bake 570 muffins. Bianca bakes 6 times as many muffins as Cathy. Amanda bakes 15 fewer muffins than Bianca. How many muffins did Amanda bake?

- 4) Debby spent 247 minutes working on her report. She spent 4 times as long researching the topic as she did writing the paper. She also spent 14 minutes less than the time she spent researching just preparing material. How much time did she spend writing?

- 5) Over the holiday weekend a game store sold 937 games. On Saturday they sold 9 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 Sunday?

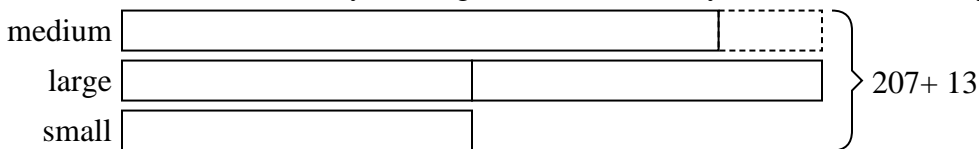
1. _____
2. _____
3. _____
4. _____
5. _____



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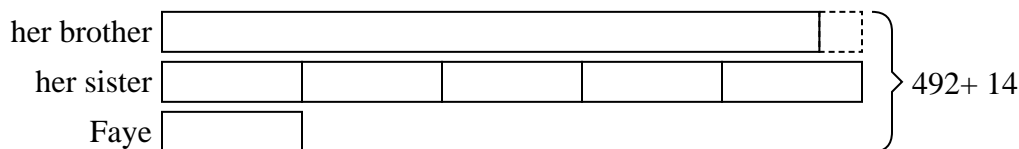
Answers

- 1) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 207 sodas. They sold $\frac{1}{2}$ as many small sodas as they did large sodas. And they sold 13 fewer medium sodas as they did large sodas. How many small sodas did they sell?



1. 44

- 2) Faye, her brother and her sister pooled their money to buy a console and some games. Together they had \$492. Faye gave $\frac{1}{5}$ as much as her sister and her brother gave \$14 fewer than her sister. How much did her brother contribute?



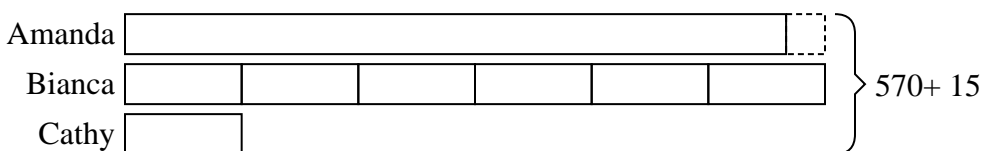
2. 216

3. 255

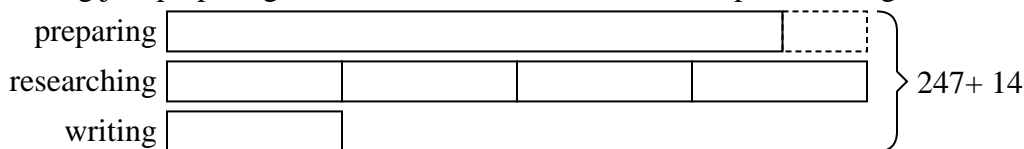
4. 29

5. 50

- 3) Amanda, Bianca and Cathy bake 570 muffins. Bianca bakes 6 times as many muffins as Cathy. Amanda bakes 15 fewer muffins than Bianca. How many muffins did Amanda bake?



- 4) Debby spent 247 minutes working on her report. She spent 4 times as long researching the topic as she did writing the paper. She also spent 14 minutes less than the time she spent researching just preparing material. How much time did she spend writing?



- 5) Over the holiday weekend a game store sold 937 games. On Saturday they sold 9 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 Sunday?

