



Solve each problem using a tape diagram.

- 1) Billy earned \$535 mowing lawns over the summer. In July he earned 6 times as much as he did in August. And in June he earned 11 dollars fewer than in July. How much money did he earn in July?

- 2) Bianca sent 568 text messages over the summer. In July she sent 8 times as many as she did in August. And in June she sent 10 fewer than in July. How many texts did she send in August?

- 3) Robin, her brother and her sister pooled their money to buy a console and some games. Together they had \$233. Robin gave $\frac{1}{4}$ as much as her sister and her brother gave \$10 fewer than her sister. How much did Robin contribute?

- 4) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 254 sodas. They sold $\frac{1}{6}$ as many small sodas as they did large sodas. And they sold 19 fewer medium sodas as they did large sodas. How many small sodas did they sell?

- 5) Amanda, Bianca and Cathy bake 459 muffins. Bianca bakes 8 times as many muffins as Cathy. Amanda bakes 17 fewer muffins than Bianca. How many muffins did Cathy bake?

Answers

1. _____

2. _____

3. _____

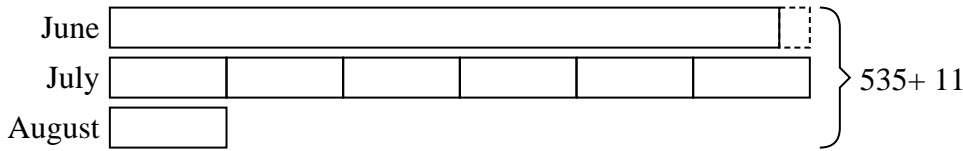
4. _____

5. _____

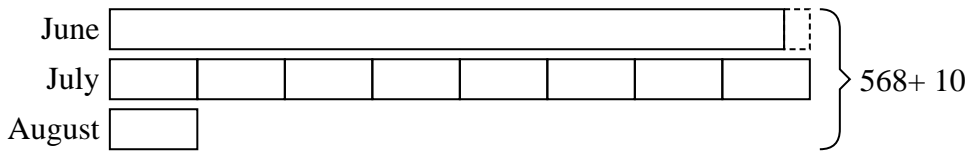


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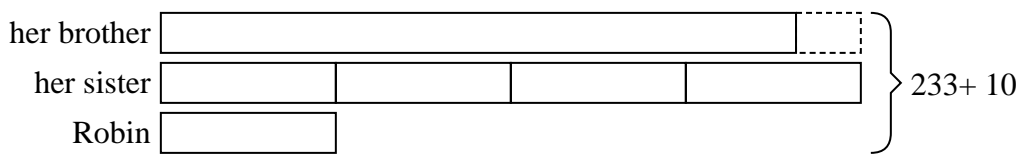
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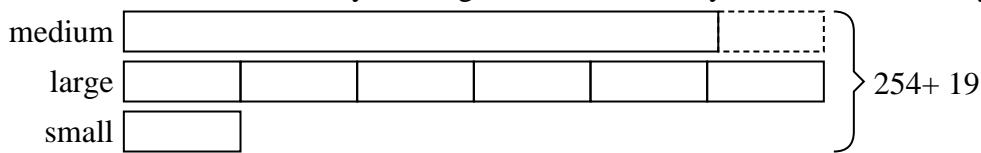
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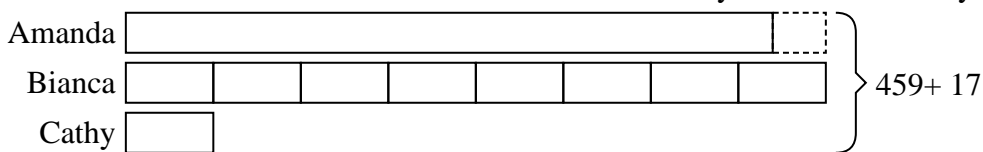
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Answers

1. 252
2. 34
3. 27
4. 21
5. 28