



Solve each problem using a tape diagram.

Answers

- 1) Sarah, her brother and her sister pooled their money to buy a console and some games. Together they had \$630. Sarah gave $\frac{1}{6}$ as much as her sister and her brother gave \$20 fewer than her sister. How much did Sarah contribute?

- 2) Amanda, Bianca and Cathy bake 260 muffins. Bianca bakes 3 times as many muffins as Cathy. Amanda bakes 20 fewer muffins than Bianca. How many muffins did Amanda bake?

- 3) Mike earned \$270 mowing lawns over the summer. In July he earned 5 times as much as he did in August. And in June he earned 16 dollars fewer than in July. How much money did he earn in June?

- 4) Emily sent 254 text messages over the summer. In July she sent 6 times as many as she did in August. And in June she sent 19 fewer than in July. How many texts did she send in August?

- 5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 704 sodas. They sold $\frac{1}{8}$ as many small sodas as they did large sodas. And they sold 10 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

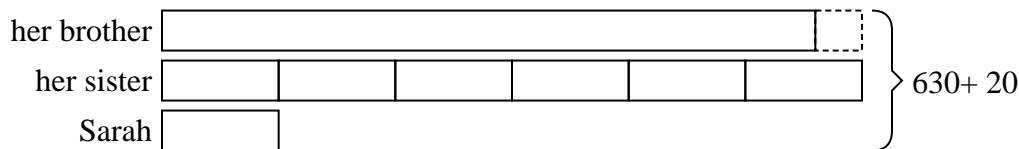
1. _____
2. _____
3. _____
4. _____
5. _____



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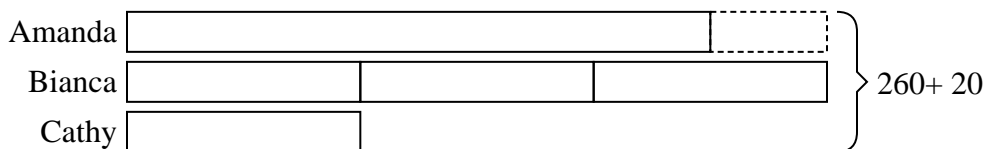
Answers

- 1) Sarah, her brother and her sister pooled their money to buy a console and some games. Together they had \$630. Sarah gave $\frac{1}{6}$ as much as her sister and her brother gave \$20 fewer than her sister. How much did Sarah contribute?



1. 50

- 2) Amanda, Bianca and Cathy bake 260 muffins. Bianca bakes 3 times as many muffins as Cathy. Amanda bakes 20 fewer muffins than Bianca. How many muffins did Amanda bake?



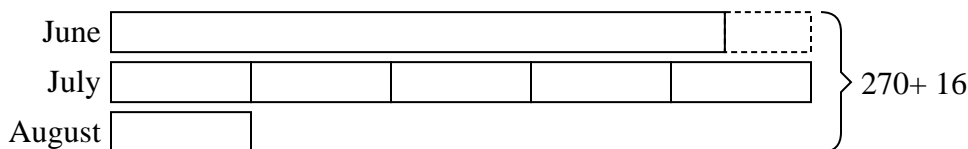
2. 100

3. 114

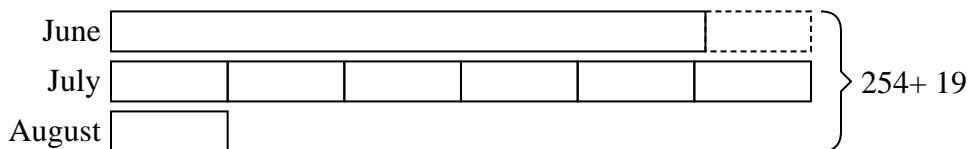
4. 21

5. 326

- 3) Mike earned \$270 mowing lawns over the summer. In July he earned 5 times as much as he did in August. And in June he earned 16 dollars fewer than in July. How much money did he earn in June?



- 4) Emily sent 254 text messages over the summer. In July she sent 6 times as many as she did in August. And in June she sent 19 fewer than in July. How many texts did she send in August?



- 5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 704 sodas. They sold $\frac{1}{8}$ as many small sodas as they did large sodas. And they sold 10 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

