



Solve each problem using a tape diagram.

Answers

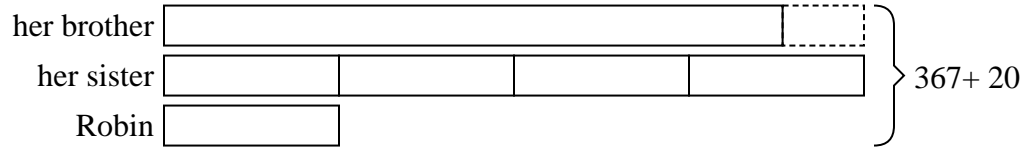
- 1) Robin, her brother and her sister pooled their money to buy a console and some games. Together they had \$367. Robin gave $\frac{1}{4}$ as much as her sister and her brother gave \$20 fewer than her sister. How much did her sister contribute?
- 2) Vanessa sent 182 text messages over the summer. In July she sent twice as many as she did in August. And in June she sent 13 fewer than in July. How many texts did she send in June?
- 3) Katie spent 268 minutes working on her report. She spent 6 times as long researching the topic as she did writing the paper. She also spent 18 minutes less than the time she spent researching just preparing material. How much time did she spend writing?
- 4) Amanda, Bianca and Cathy bake 194 muffins. Bianca bakes twice as many muffins as Cathy. Amanda bakes 16 fewer muffins than Bianca. How many muffins did Cathy bake?
- 5) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 8 times as many as he had given to adults. To kids he gave out 8 fewer than he gave to teens. How many balloons did he give to kids, if he gave out 581 balloons all together?

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

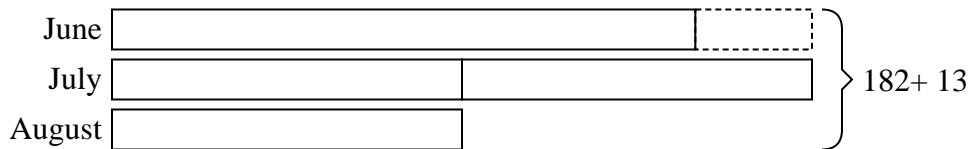


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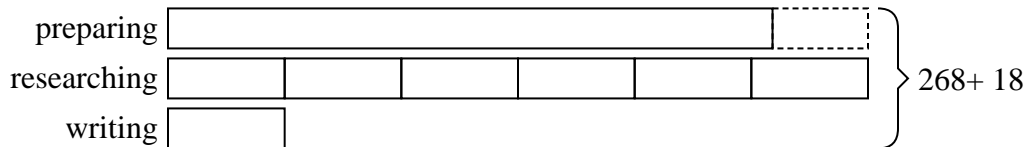
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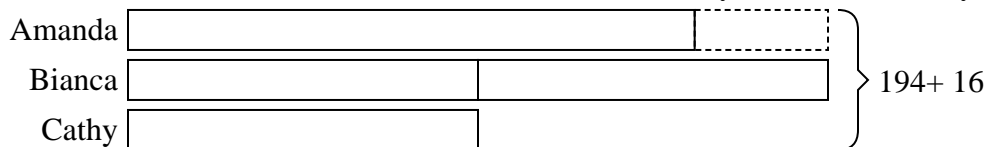
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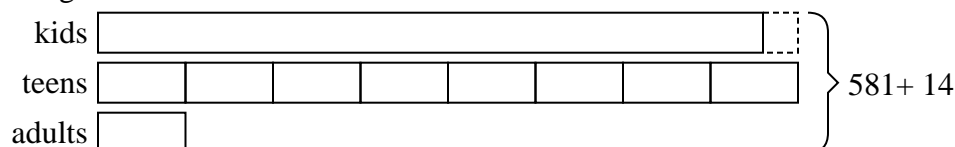
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**Answers**

1. **172**
2. **65**
3. **22**
4. **42**
5. **266**