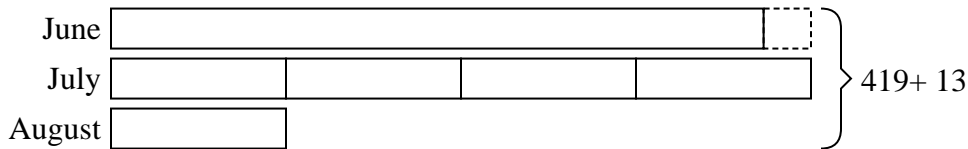




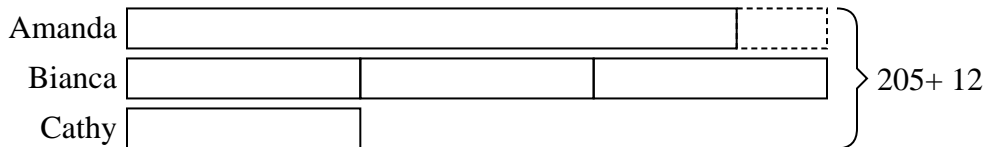
Solve each problem using a tape diagram.

Answers

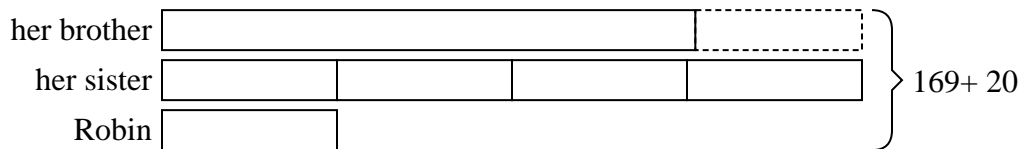
- 1) Janet sent 419 text messages over the summer. In July she sent 4 times as many as she did in August. And in June she sent 13 fewer than in July. How many texts did she send in June?

1. **179**2. **93**3. **84**4. **204**

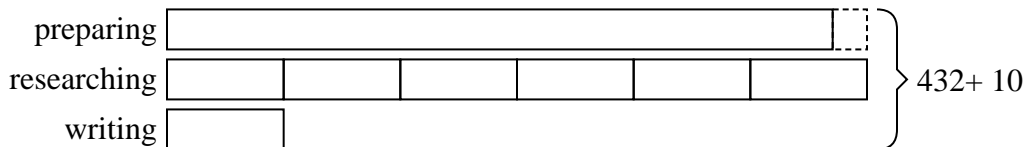
- 2) Amanda, Bianca and Cathy bake 205 muffins. Bianca bakes 3 times as many muffins as Cathy. Amanda bakes 12 fewer muffins than Bianca. How many muffins did Bianca bake?

5. **37**

- 3) Robin, her brother and her sister pooled their money to buy a console and some games. Together they had \$169. Robin gave 1/4 as much as her sister and her brother gave \$20 fewer than her sister. How much did her sister contribute?



- 4) Haley spent 432 minutes working on her report. She spent 6 times as long researching the topic as she did writing the paper. She also spent 10 minutes less than the time she spent researching just preparing material. How much time did she spend researching?



- 5) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 168 cartons. They gave out twice as many chocolate as regular and they gave out 17 fewer strawberry than chocolate. How many cartons of strawberry milk did they give out?

