



Solve each problem using a tape diagram.

Answers

- 1) Gwen sent 247 text messages over the summer. In July she sent 5 times as many as she did in August. And in June she sent 17 fewer than in July. How many texts did she send in July?
- 2) Sarah spent 610 minutes working on her report. She spent 8 times as long researching the topic as she did writing the paper. She also spent 19 minutes less than the time she spent researching just preparing material. How much time did she spend preparing?
- 3) 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 663 balloons all together?
- 4) Katie, her brother and her sister pooled their money to buy a console and some games. Together they had \$242. Katie gave $\frac{1}{6}$ as much as her sister and her brother gave \$18 fewer than her sister. How much did her brother contribute?
- 5) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned \$183. The middle school ended up earning 3 times as much as the high school and the elementary earned \$13 fewer than the high school. How much money did the high school earn?

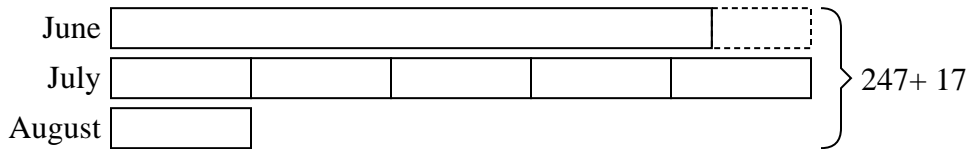
1. _____
2. _____
3. _____
4. _____
5. _____



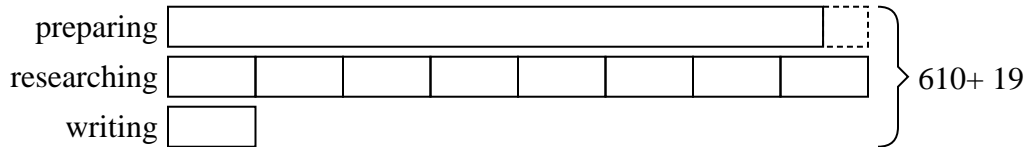
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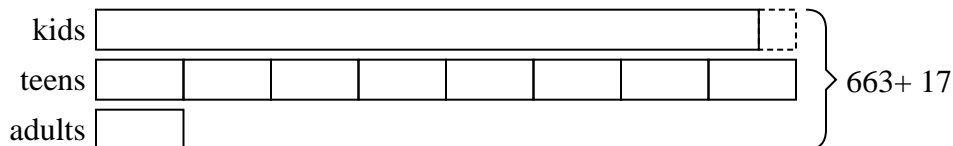
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1. **120**2. **277**3. **303**4. **102**5. **28**

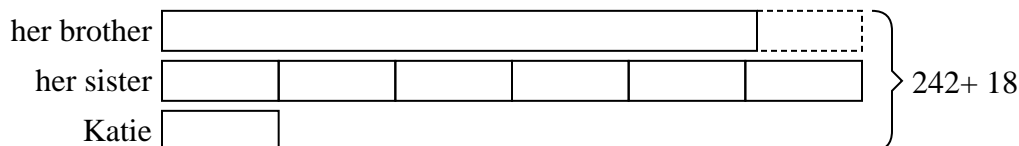
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