

**Solve each problem using a tape diagram.**

- 1) Vanessa, her brother and her sister pooled their money to buy a console and some games. Together they had \$460. Vanessa gave $\frac{1}{8}$ as much as her sister and her brother gave \$16 fewer than her sister. How much did her brother contribute?

- 2) Will earned \$556 mowing lawns over the summer. In July he earned 7 times as much as he did in August. And in June he earned 14 dollars fewer than in July. How much money did he earn in June?

- 3) Lana spent 818 minutes working on her report. She spent 9 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 preparing?

- 4) Rachel sent 286 text messages over the summer. In July she sent 4 times as many as she did in August. And in June she sent 11 fewer than in July. How many texts did she send in June?

- 5) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 250 cartons. They gave out 5 times as many chocolate as regular and they gave out 14 fewer strawberry than chocolate. How many cartons of strawberry milk did they give out?

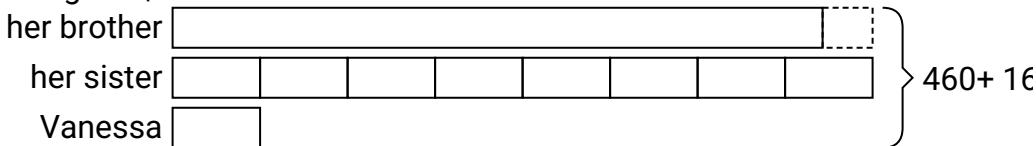
Answers

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

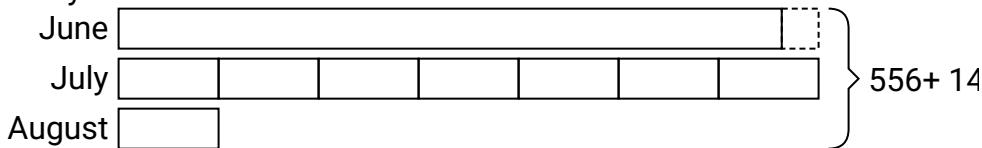


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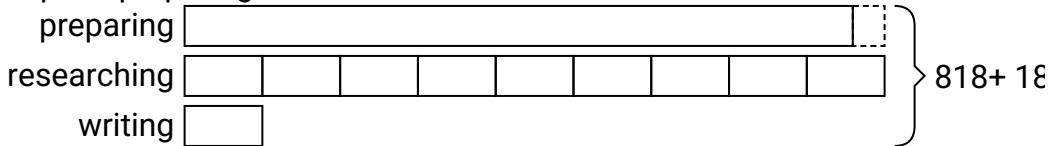
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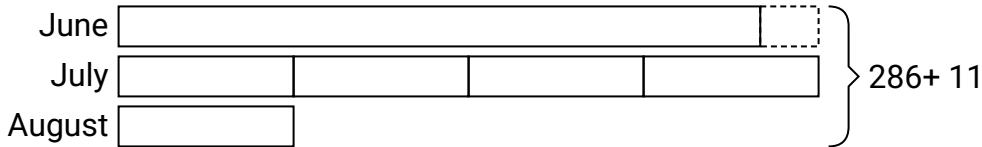
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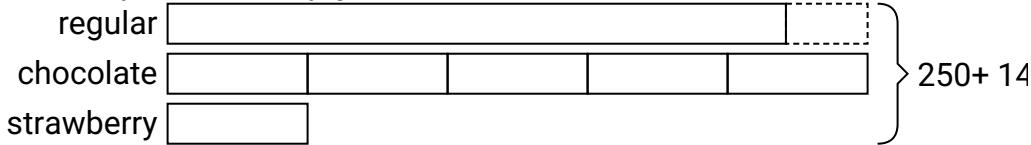
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**Answers**1. **208**2. **252**3. **378**4. **121**5. **24**