

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

1) Rachel, her brother and her sister pooled their money to buy a console and some games. Together they had \$491. Rachel gave  $1/5$  as much as her sister and her brother gave \$15 fewer than her sister. How much did Rachel contribute?

**Answers**

2) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 719 sodas. They sold  $1/7$  as many small sodas as they did large sodas. And they sold 16 fewer medium sodas as they did large sodas. How many small sodas did they sell?

3) Over the holiday weekend a game store sold 778 games. On Saturday they sold 9 times as many games as on Sunday. And on Friday they sold 20 fewer games than on Saturday. How many games did they sell on Friday?

4) Cody earned \$574 mowing lawns over the summer. In July he earned 6 times as much as he did in August. And in June he earned 11 dollars fewer than in July. How much money did he earn in July?

5) Vanessa sent 174 text messages over the summer. In July she sent twice as many as she did in August. And in June she sent 11 fewer than in July. How many texts did she send in August?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

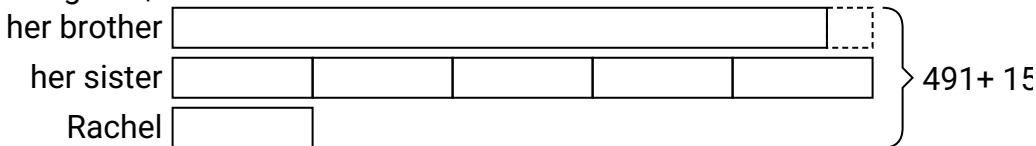
4. \_\_\_\_\_

5. \_\_\_\_\_

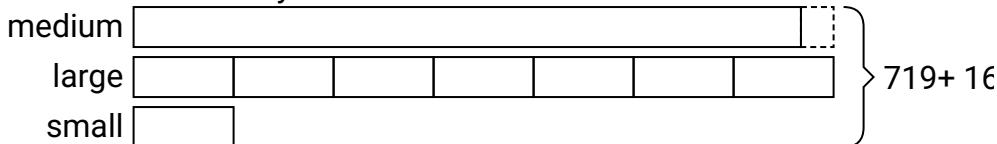


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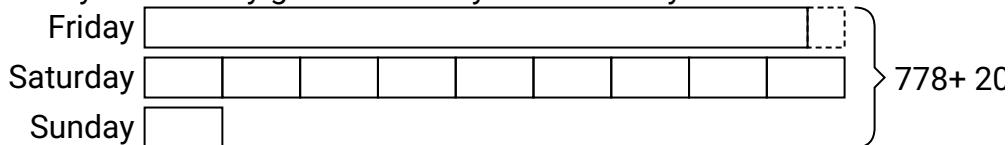
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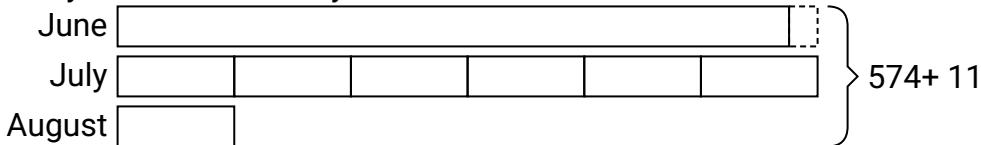
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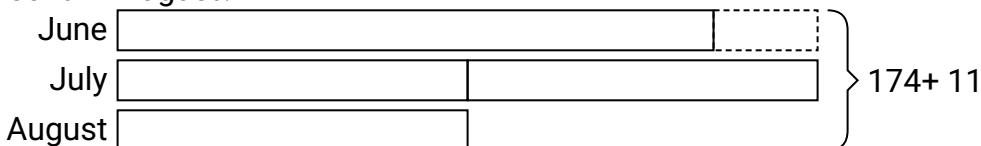
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**Answers**1. **46**2. **49**3. **358**4. **270**5. **37**