



Solve each problem using a tape diagram.

**Answers**

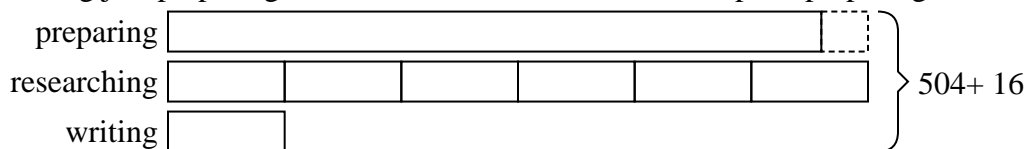
- 1) Maria spent 504 minutes working on her report. She spent 6 times as long researching the topic as she did writing the paper. She also spent 16 minutes less than the time she spent researching just preparing material. How much time did she spend preparing?
- 2) Amanda, Bianca and Cathy bake 215 muffins. Bianca bakes 4 times as many muffins as Cathy. Amanda bakes 10 fewer muffins than Bianca. How many muffins did Amanda bake?
- 3) Robin sent 245 text messages over the summer. In July she sent 5 times as many as she did in August. And in June she sent 19 fewer than in July. How many texts did she send in July?
- 4) John earned \$385 mowing lawns over the summer. In July he earned 5 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 June?
- 5) Over the holiday weekend a game store sold 465 games. On Saturday they sold 5 times as many games as on Sunday. And on Friday they sold 19 fewer games than on Saturday. How many games did they sell on Saturday?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

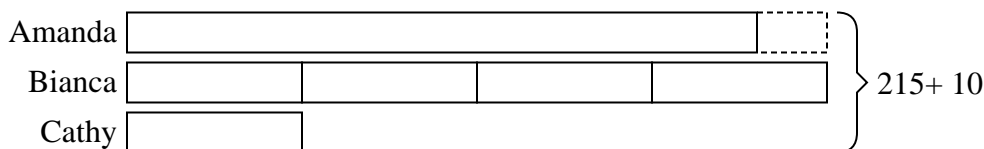


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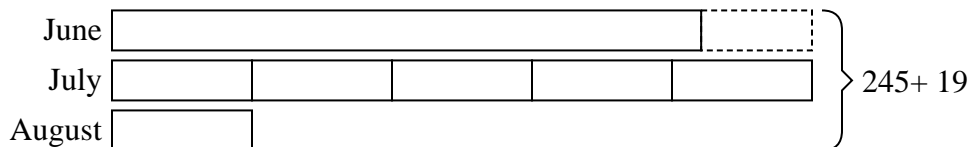
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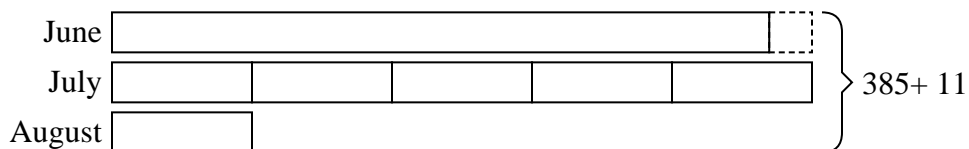
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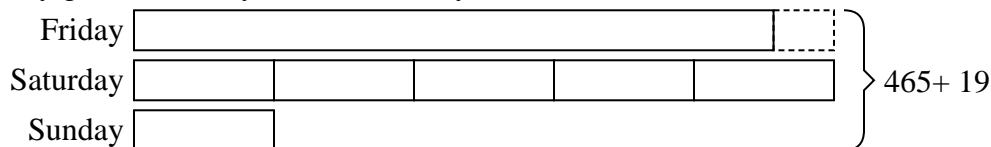
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**Answers**

1. **224**  
2. **90**  
3. **120**  
4. **169**  
5. **220**