



Solve each problem using a tape diagram.

- 1) Amy spent 454 minutes working on her report. She spent 7 times as long researching the topic as she did writing the paper. She also spent 11 minutes less than the time she spent researching just preparing material. How much time did she spend researching?

- 2) Over the holiday weekend a game store sold 404 games. On Saturday they sold 4 times as many games as on Sunday. And on Friday they sold 10 fewer games than on Saturday. How many games did they sell on Saturday?

- 3) Amanda, Bianca and Cathy bake 353 muffins. Bianca bakes 5 times as many muffins as Cathy. Amanda bakes 10 fewer muffins than Bianca. How many muffins did Bianca bake?

- 4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 498 cartons. They gave out 7 times as many chocolate as regular and they gave out 12 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?

- 5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 754 sodas. They sold $\frac{1}{8}$ as many small sodas as they did large sodas. And they sold 11 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

Answers

1. _____

2. _____

3. _____

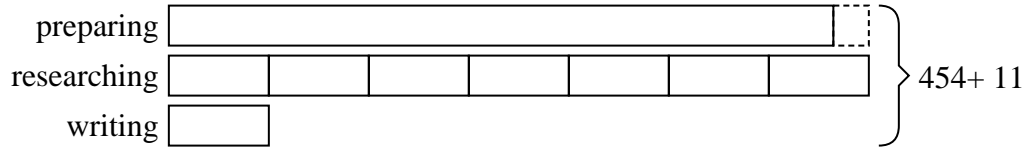
4. _____

5. _____

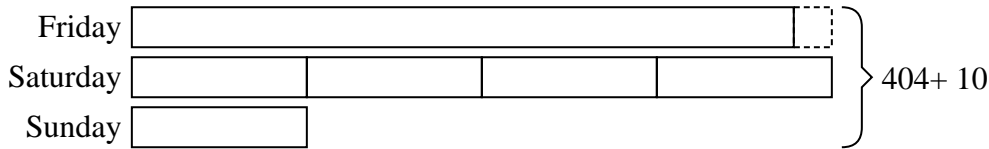


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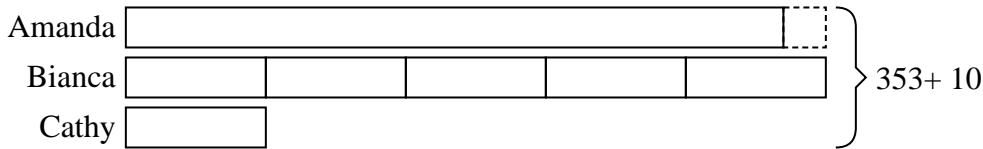
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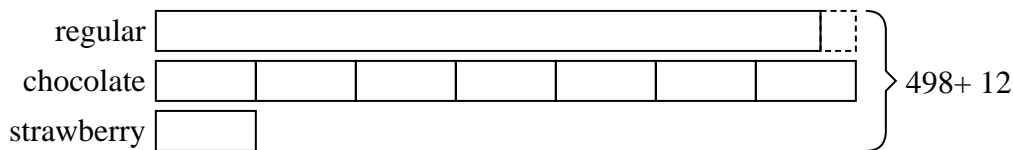
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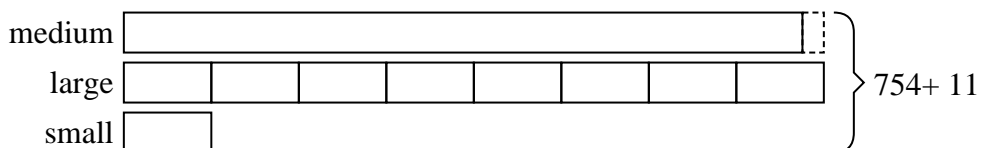
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- 5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 754 sodas. They sold 1/8 as many small sodas as they did large sodas. And they sold 11 fewer medium sodas as they did large sodas. How many medium sodas did they sell?



Answers

1. 217
2. 184
3. 165
4. 238
5. 349