



Solve each problem using a tape diagram.

- 1) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 515 cartons. They gave out 8 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?

- 2) Bianca, her brother and her sister pooled their money to buy a console and some games. Together they had \$581. Bianca gave $\frac{1}{8}$ as much as her sister and her brother gave \$14 fewer than her sister. How much did Bianca contribute?

- 3) Amanda, Bianca and Cathy bake 290 muffins. Bianca bakes 4 times as many muffins as Cathy. Amanda bakes 16 fewer muffins than Bianca. How many muffins did Cathy bake?

- 4) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 275 sodas. They sold $\frac{1}{3}$ as many small sodas as they did large sodas. And they sold 12 fewer medium sodas as they did large sodas. How many large sodas did they sell?

- 5) Vanessa sent 106 text messages over the summer. In July she sent twice 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?

Answers

1. _____

2. _____

3. _____

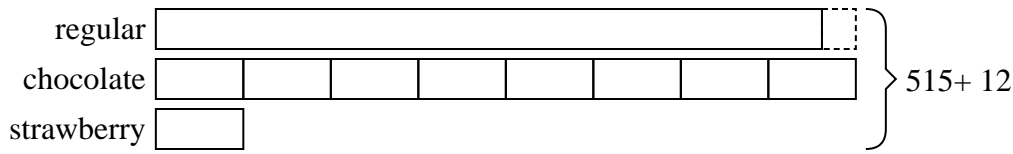
4. _____

5. _____

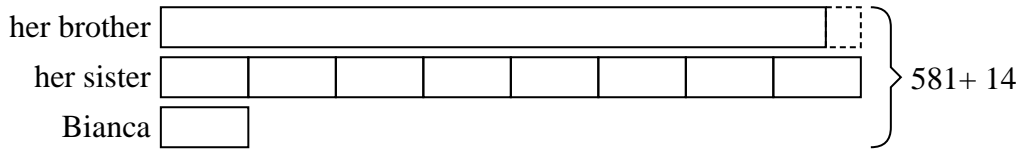


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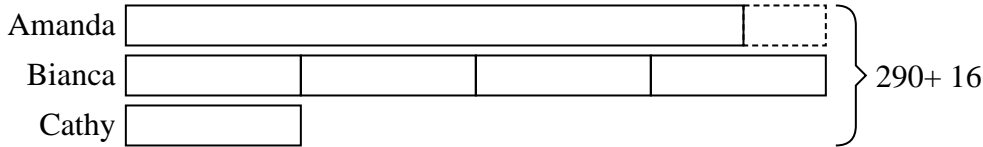
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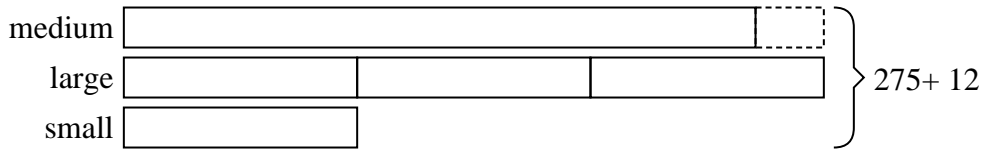
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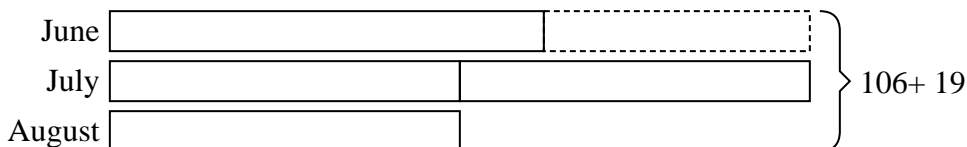
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- 5) Vanessa sent 106 text messages over the summer. In July she sent twice as many as she did in August. And in June she sent 19 fewer than in July. How many texts did she send in July?



Answers

1. 248
2. 35
3. 34
4. 123
5. 50