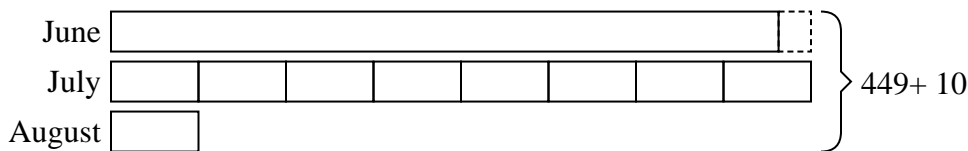


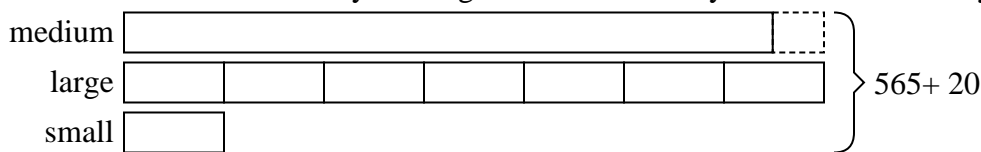


Solve each problem using a tape diagram.

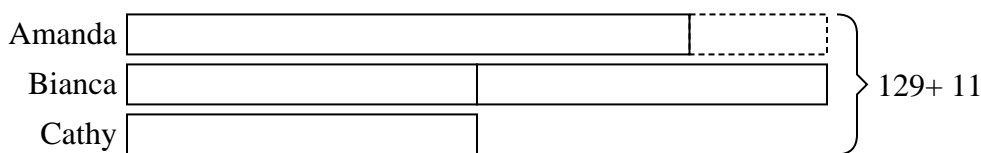
- 1) Katie sent 449 text messages over the summer. In July she sent 8 times as many as she did in August. And in June she sent 10 fewer than in July. How many texts did she send in August?



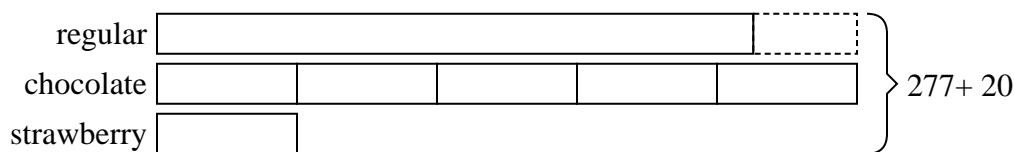
- 2) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 565 sodas. They sold $\frac{1}{7}$ as many small sodas as they did large sodas. And they sold 20 fewer medium sodas as they did large sodas. How many small sodas did they sell?



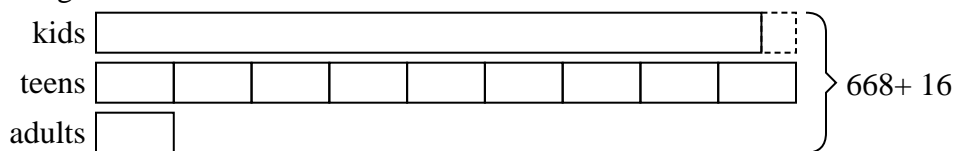
- 3) Amanda, Bianca and Cathy bake 129 muffins. Bianca bakes twice as many muffins as Cathy. Amanda bakes 11 fewer muffins than Bianca. How many muffins did Amanda bake?



- 4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 277 cartons. They gave out 5 times as many chocolate as regular and they gave out 20 fewer strawberry than chocolate. How many cartons of regular milk did they give out?



- 5) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 9 times as many as he had given to adults. To kids he gave out 9 fewer than he gave to teens. How many balloons did he give to kids, if he gave out 668 balloons all together?



Answers

1. 27
2. 39
3. 45
4. 115
5. 308