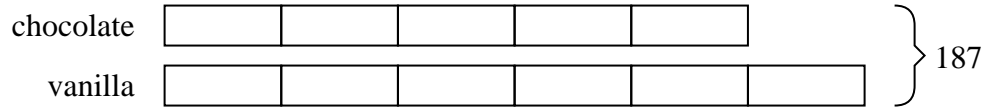


**Solve each problem using a tape diagram.**

- Ex)** Tom's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 187 shakes total with the ratio of chocolate to vanilla being 5:6. How many chocolate shakes did they sell?



- 1) Kaleb was looking at his streaming music stats. The ratio of songs he liked to disliked was 9:4. If he listened to 299 songs total how many did he like?
  
  
  
  
  
  
  
  
  
  
- 2) In August, Isabel's Clothing Store sold 868 shirts with the ratio of short sleeve to long sleeve being 9:5. How many short sleeve shirts were sold?
  
  
  
  
  
  
  
  
  
  
- 3) At the fair the ratio of male to females was 2:8. If there are 770 people at the fair how many males are there?
  
  
  
  
  
  
  
  
  
  
- 4) A cable company had 754 subscribers. The ratio of regular subscribers to premium subscribers was 7:6. How many regular subscribers did they have?
  
  
  
  
  
  
  
  
  
  
- 5) A store had 897 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 5:8. How many diet sodas were there?

**Answers**Ex. 85

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

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

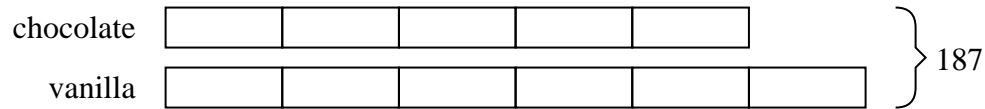
3. \_\_\_\_\_

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

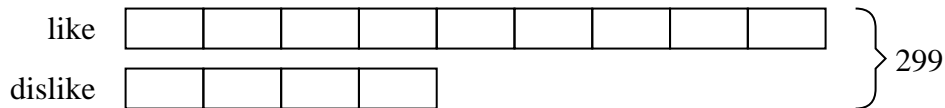
5. \_\_\_\_\_

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

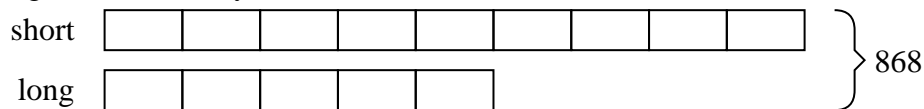
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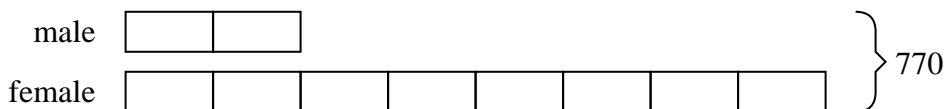
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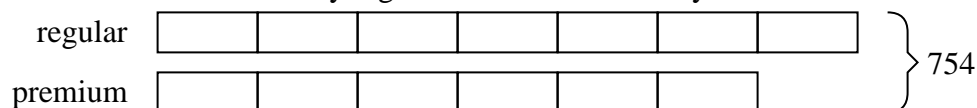
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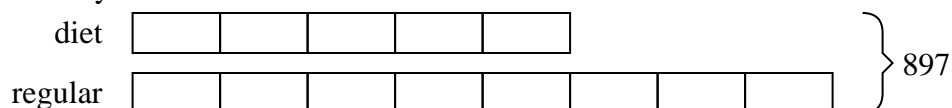
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- 5)** A store had 897 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 5:8. How many diet sodas were there?

**Answers**

- Ex. 85
1. 207
2. 558
3. 154
4. 406
5. 345