Solve each problem using a tape diagram.

Ex) A store had 325 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:5. How many diet sodas were there?

Ex. _____**200**_____

1. _____

2. _____

1) George's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 510 shakes total with the ratio of chocolate to vanilla being 6:9. How many chocolate shakes did they sell?

3. _____

4. _____

5. _____

2) In August, Bianca's Clothing Store sold 704 shirts with the ratio of short sleeve to long sleeve being 8:3. How many short sleeve shirts were sold?

3) Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:9. If he listened to 737 songs total how many did he like?
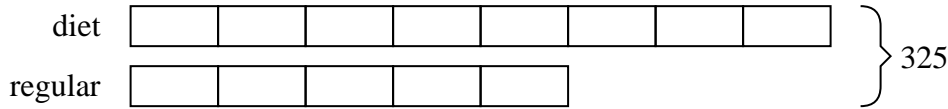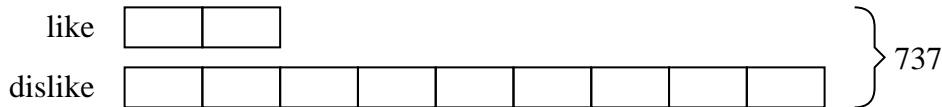
4) At the fair the ratio of male to females was 7:3. If there are 880 people at the fair how many males are there?

5) During an local election the ratio of teens to adults who voted was 4:5. If 261 people voted how many were teens?
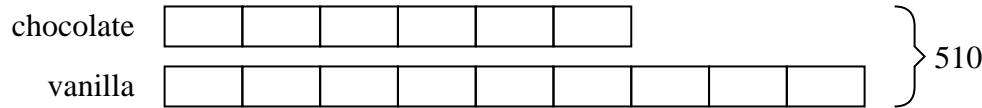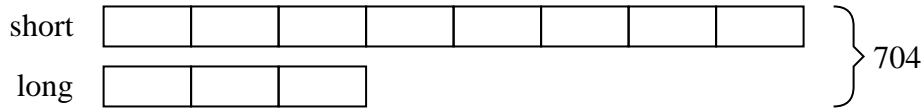
Solve each problem using a tape diagram.

Ex) A store had 325 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:5. How many diet sodas were there?

diet   [| | | | | | |]

regular   [| | | |] } 325

Ex.   **200**

1.   **204**

2.   **512**

3.   **134**

4.   **616**

5.   **116**

1) George's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 510 shakes total with the ratio of chocolate to vanilla being 6:9. How many chocolate shakes did they sell?
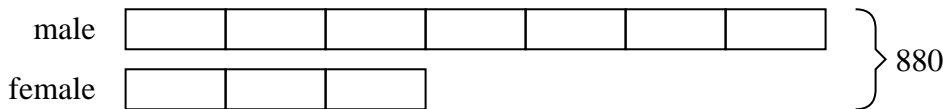
chocolate   [| | | | |]

vanilla   [| | | | | | | |] } 510

2) In August, Bianca's Clothing Store sold 704 shirts with the ratio of short sleeve to long sleeve being 8:3. How many short sleeve shirts were sold?
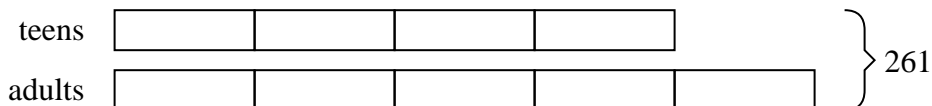
short   [| | | | | | |]

long   [| |] } 704

3) Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:9. If he listened to 737 songs total how many did he like?

like   [|]

dislike   [| | | | | | | |] } 737

4) At the fair the ratio of male to females was 7:3. If there are 880 people at the fair how many males are there?

male   [| | | | | |]

female   [| |] } 880

5) During an local election the ratio of teens to adults who voted was 4:5. If 261 people voted how many were teens?

teens   [| | |]

adults   [| | | |] } 261