Ratios With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) During an local election the ratio of teens to adults who voted was 6:4. If 140 people voted how many were teens?

Ex. _____**84**_____

1) A store had 1,241 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:7. How many diet sodas were there?

1. _____

2. _____

3. _____

4. _____

5. _____

2) At the fair the ratio of male to females was 3:10. If there are 598 people at the fair how many males are there?

3) Jerry was looking at his streaming music stats. The ratio of songs he liked to disliked was 9:6. If he listened to 315 songs total how many did he like?
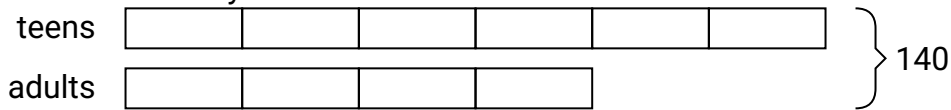
4) In August, Debby's Clothing Store sold 1,410 shirts with the ratio of short sleeve to long sleeve being 10:5. How many short sleeve shirts were sold?

5) Henry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 588 shakes total with the ratio of chocolate to vanilla being 9:3. How many chocolate shakes did they sell?
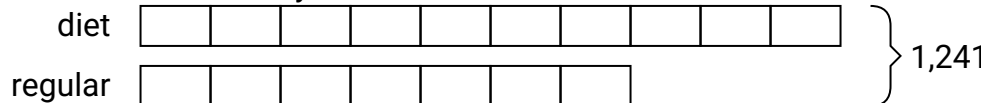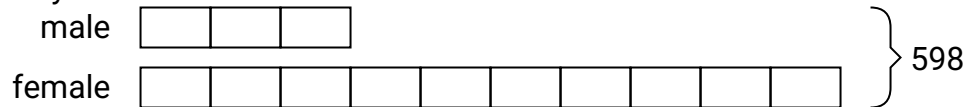
Solve each problem using a tape diagram.

Answers

Ex) During an local election the ratio of teens to adults who voted was 6:4. If 140 people voted how many were teens?
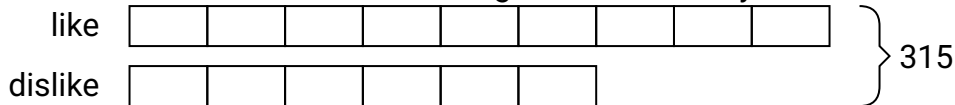
teens

adults

} 140

Ex. **84**

1) A store had 1,241 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:7. How many diet sodas were there?
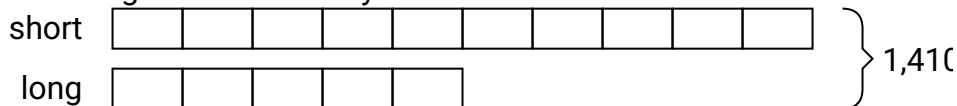
diet

regular

} 1,241

1. **730**

2) At the fair the ratio of male to females was 3:10. If there are 598 people at the fair how many males are there?
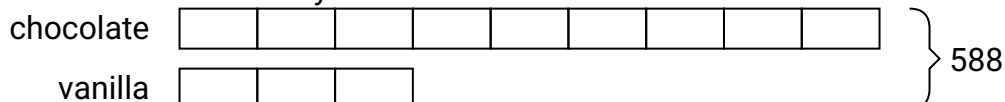
male

female

} 598

2. **138**

3) Jerry was looking at his streaming music stats. The ratio of songs he liked to disliked was 9:6. If he listened to 315 songs total how many did he like?

like

dislike

} 315

3. **189**

4) In August, Debby's Clothing Store sold 1,410 shirts with the ratio of short sleeve to long sleeve being 10:5. How many short sleeve shirts were sold?

short

long

} 1,410

4. **940**

5) Henry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 588 shakes total with the ratio of chocolate to vanilla being 9:3. How many chocolate shakes did they sell?

chocolate

vanilla

} 588

5. **441**