Solve each problem using a tape diagram.

1) During an local election the ratio of teens to adults who voted was 9:2. If 627 people voted how many were teens?

2) A cable company had 187 subscribers. The ratio of regular subscribers to premium subscribers was 10:7. How many regular subscribers did they have?

3) In August, Haley's Clothing Store sold 1,504 shirts with the ratio of short sleeve to long sleeve being 10:6. How many short sleeve shirts were sold?

4) At the fair the ratio of male to females was 5:7. If there are 780 people at the fair how many males are there?

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 784 shakes total with the ratio of chocolate to vanilla being 2:6. How many chocolate shakes did they sell?

Answers

1. _________
2. _________
3. _________
4. _________
5. _________
1) During an election the ratio of teens to adults who voted was 9:2. If 627 people voted how many were teens?

- Teens: 627
- Adults: 9

2) A cable company had 187 subscribers. The ratio of regular subscribers to premium subscribers was 10:7. How many regular subscribers did they have?

- Regular: 187
- Premium: 7

3) In August, Haley's Clothing Store sold 1,504 shirts with the ratio of short sleeve to long sleeve being 10:6. How many short sleeve shirts were sold?

- Short: 1,504
- Long: 6

4) At the fair the ratio of male to females was 5:7. If there are 780 people at the fair how many males are there?

- Male: 780
- Female: 7

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 784 shakes total with the ratio of chocolate to vanilla being 2:6. How many chocolate shakes did they sell?

- Chocolate: 784
- Vanilla: 6

Solve each problem using a tape diagram.

Answers
1. 513
2. 110
3. 940
4. 325
5. 196