1) Cody was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:6. If he listened to 1,078 songs total how many did he like?

2) At the fair the ratio of male to females was 10:4. If there are 1,120 people at the fair how many males are there?

3) A store had 592 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:6. How many diet sodas were there?

4) During an local election the ratio of teens to adults who voted was 2:3. If 85 people voted how many were teens?

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 286 shakes total with the ratio of chocolate to vanilla being 3:10. How many chocolate shakes did they sell?
### Solve each problem using a tape diagram.

1) Cody was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:6. If he listened to 1,078 songs total how many did he like?

- Like: [Diagram]
- Dislike: [Diagram]

1,078 songs total

2) At the fair the ratio of male to females was 10:4. If there are 1,120 people at the fair how many males are there?

- Male: [Diagram]
- Female: [Diagram]

1,120 people total

3) A store had 592 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:6. How many diet sodas were there?

- Diet: [Diagram]
- Regular: [Diagram]

592 sodas total

4) During an local election the ratio of teens to adults who voted was 2:3. If 85 people voted how many were teens?

- Teens: [Diagram]
- Adults: [Diagram]

85 people total

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 286 shakes total with the ratio of chocolate to vanilla being 3:10. How many chocolate shakes did they sell?

- Chocolate: [Diagram]
- Vanilla: [Diagram]

286 shakes total

### Answers

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