Ratios With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) In August, Lana'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?

Ex. _____ **940**

1. _____

2. _____

1) Mike was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:7. If he listened to 168 songs total how many did he like?

3. _____

4. _____

2) Sam's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 216 shakes total with the ratio of chocolate to vanilla being 2:10. How many chocolate shakes did they sell?

5. _____

3) A cable company had 792 subscribers. The ratio of regular subscribers to premium subscribers was 3:5. How many regular subscribers did they have?
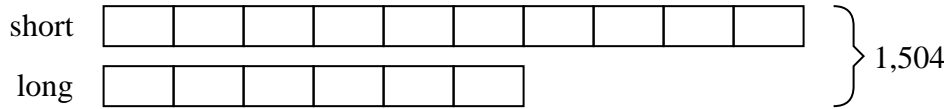
4) At the fair the ratio of male to females was 3:2. If there are 165 people at the fair how many males are there?

5) During an local election the ratio of teens to adults who voted was 7:10. If 714 people voted how many were teens?
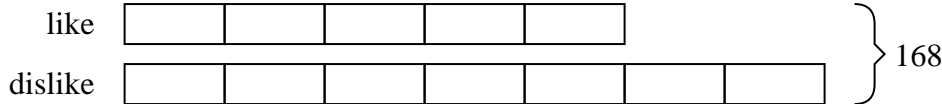
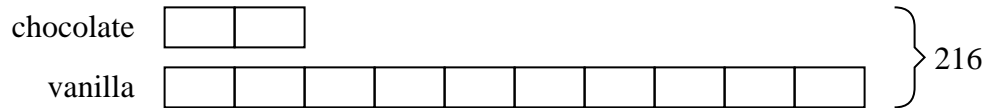**Math**

Solve each problem using a tape diagram.

Ex) In August, Lana'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?
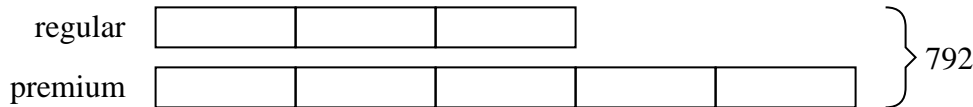
short ☐☐☐☐☐☐☐☐☐☐
long ☐☐☐☐☐☐ } 1,504

Ex. **940**

1. **70**

2. **36**

3. **297**

4. **99**

5. **294**

1) Mike was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:7. If he listened to 168 songs total how many did he like?
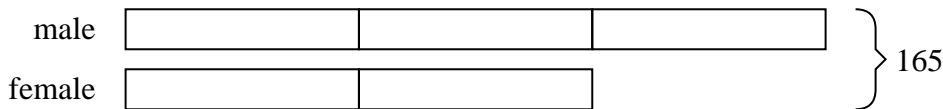
like ☐☐☐☐☐
dislike ☐☐☐☐☐☐☐ } 168

2) Sam's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 216 shakes total with the ratio of chocolate to vanilla being 2:10. How many chocolate shakes did they sell?
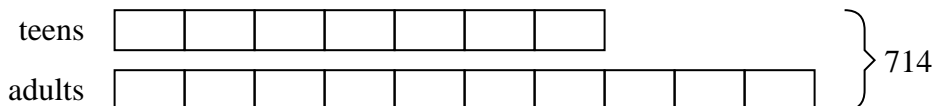
chocolate ☐☐
vanilla ☐☐☐☐☐☐☐☐☐☐ } 216

3) A cable company had 792 subscribers. The ratio of regular subscribers to premium subscribers was 3:5. How many regular subscribers did they have?

regular ☐☐☐
premium ☐☐☐☐☐ } 792

4) At the fair the ratio of male to females was 3:2. If there are 165 people at the fair how many males are there?

male ☐☐☐
female ☐☐ } 165

5) During an local election the ratio of teens to adults who voted was 7:10. If 714 people voted how many were teens?

teens ☐☐☐☐☐☐☐
adults ☐☐☐☐☐☐☐☐☐☐ } 714

Math

1-5 | 80 | 60 | 40 | 20 | 0