Name:

**Solve each problem using a tape diagram.**

**Ex)** At the fair the ratio of male to females was 4:9. If there are 533 people at the fair how many males are there?

Ex. _____**164**_____

**1)** A cable company had 261 subscribers. The ratio of regular subscribers to premium subscribers was 6:3. How many regular subscribers did they have?

1. _____

2. _____

3. _____

4. _____

5. _____

**2)** During an local election the ratio of teens to adults who voted was 8:9. If 1,122 people voted how many were teens?

**3)** In August, Bianca's Clothing Store sold 1,008 shirts with the ratio of short sleeve to long sleeve being 6:10. How many short sleeve shirts were sold?
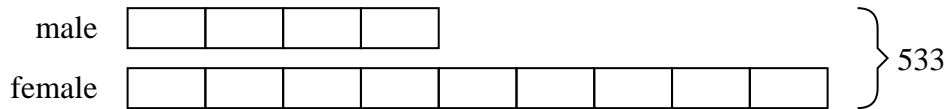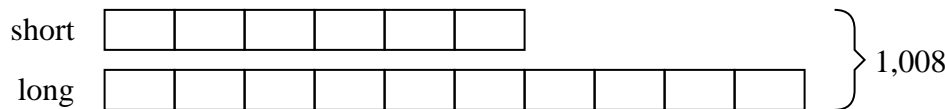
**4)** Kaleb's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 645 shakes total with the ratio of chocolate to vanilla being 8:7. How many chocolate shakes did they sell?

**5)** A store had 285 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:3. How many diet sodas were there?
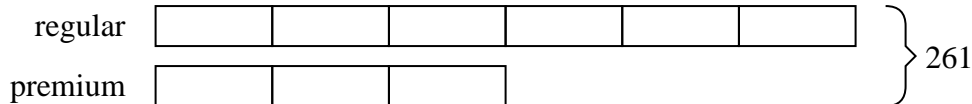
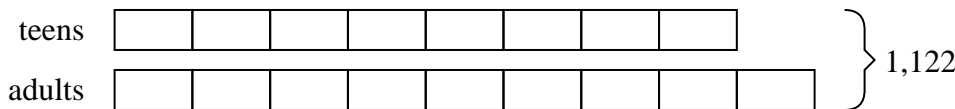| 1-5 | 80 | 60 | 40 | 20 | 0 |

**Solve each problem using a tape diagram.**

**Ex)** At the fair the ratio of male to females was 4:9. If there are 533 people at the fair how many males are there?

male

female

} 533

Ex. ___**164**___

**1)** A cable company had 261 subscribers. The ratio of regular subscribers to premium subscribers was 6:3. How many regular subscribers did they have?
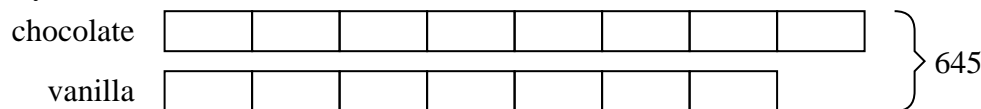
regular

premium

} 261

1. ___**174**___

2. ___**528**___

3. ___**378**___

**2)** During an local election the ratio of teens to adults who voted was 8:9. If 1,122 people voted how many were teens?

teens

adults

} 1,122

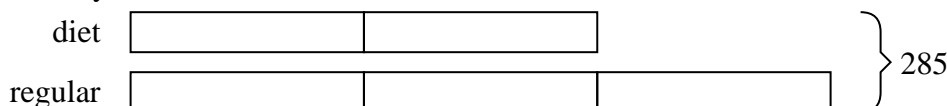4. ___**344**___

5. ___**114**___

**3)** In August, Bianca's Clothing Store sold 1,008 shirts with the ratio of short sleeve to long sleeve being 6:10. How many short sleeve shirts were sold?

short

long

} 1,008

**4)** Kaleb's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 645 shakes total with the ratio of chocolate to vanilla being 8:7. How many chocolate shakes did they sell?

chocolate

vanilla

} 645

**5)** A store had 285 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:3. How many diet sodas were there?

diet

regular

} 285

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