# Ratios With Tape Diagram

Name: _____

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

**Ex)** At the fair the ratio of male to females was 8:9. If there are 1,683 people at the fair how many males are there?

Ex. _____ **792**

**1)** Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 7:9. If he listened to 1,536 songs total how many did he like?

1. _____

2. _____

3. _____

4. _____

5. _____

**2)** A store had 860 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 3:7. How many diet sodas were there?

**3)** A cable company had 780 subscribers. The ratio of regular subscribers to premium subscribers was 7:5. How many regular subscribers did they have?
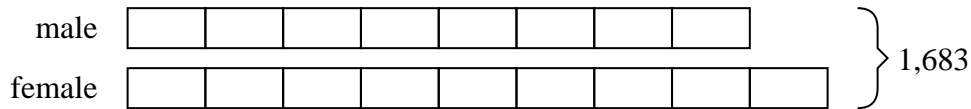
**4)** Kaleb's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 588 shakes total with the ratio of chocolate to vanilla being 5:7. How many chocolate shakes did they sell?

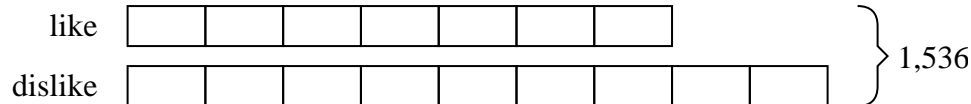**5)** During an local election the ratio of teens to adults who voted was 6:7. If 832 people voted how many were teens?

**Math**

Name:

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

**Answers**

**Ex)** At the fair the ratio of male to females was 8:9. If there are 1,683 people at the fair how many males are there?
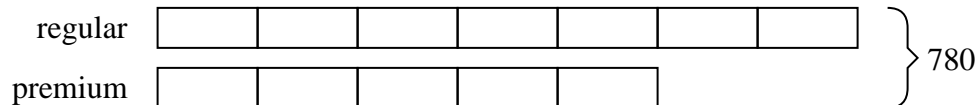
male

female

} 1,683

Ex. **792**

**1)** Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 7:9. If he listened to 1,536 songs total how many did he like?
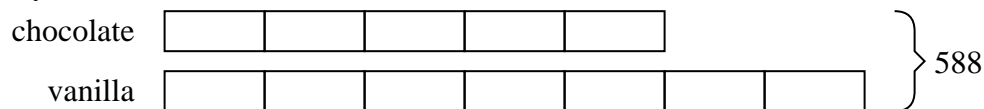
like

dislike

} 1,536

1. **672**

2. **258**

3. **455**

**2)** A store had 860 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 3:7. How many diet sodas were there?

diet

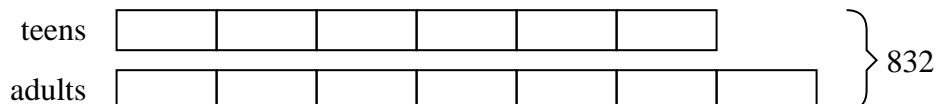regular

} 860

4. **245**

5. **384**

**3)** A cable company had 780 subscribers. The ratio of regular subscribers to premium subscribers was 7:5. How many regular subscribers did they have?

regular

premium

} 780

**4)** Kaleb'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 5:7. How many chocolate shakes did they sell?

chocolate

vanilla

} 588

**5)** During an local election the ratio of teens to adults who voted was 6:7. If 832 people voted how many were teens?

teens

adults

} 832

**Math**

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