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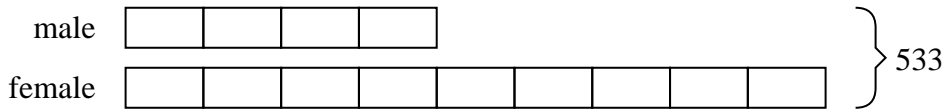
4) Edward's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 645 shakes total with the ratio of chocolate to vanilla being 8:7. How many chocolate shakes did they sell?

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?
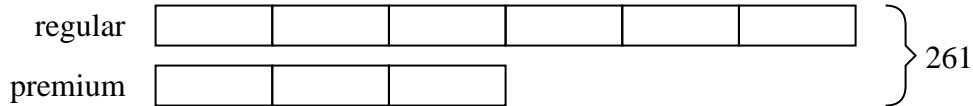
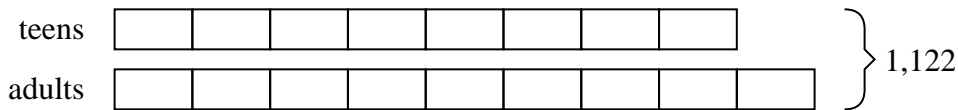| 1-5	80	60	40	20	0

Answer Key

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?
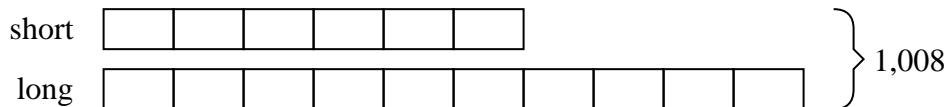
male

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?
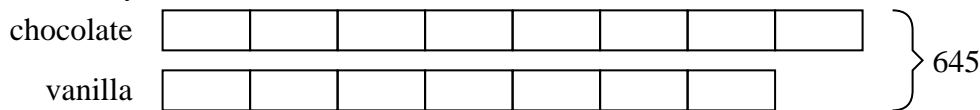
regular

premium

⎫ 261

1. ___**174**___

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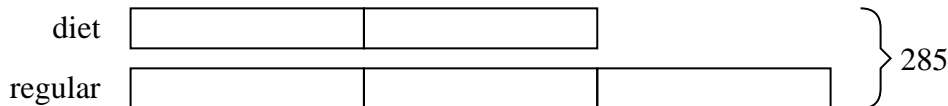
teens

adults

⎫ 1,122

2. ___**528**___

3) In August, Lana'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

3. ___**378**___

4) Edward'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

4. ___**344**___

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

5. ___**114**___

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