Name:

Solve each problem using a tape diagram.

Ex) Luke was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 627 songs total how many did he like?

Ex. _____**228**_____

1. _____

2. _____

1) In August, Janet's Clothing Store sold 663 shirts with the ratio of short sleeve to long sleeve being 10:3. How many short sleeve shirts were sold?

3. _____

4. _____

5. _____

2) A cable company had 160 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?

3) Oliver's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 570 shakes total with the ratio of chocolate to vanilla being 7:8. How many chocolate shakes did they sell?

4) A store had 1,080 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 7:5. How many diet sodas were there?

5) During an local election the ratio of teens to adults who voted was 4:5. If 234 people voted how many were teens?
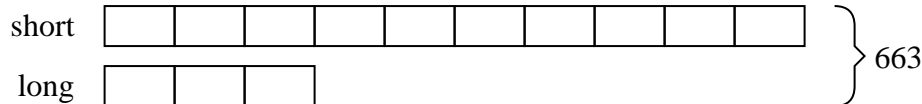
| 1-5 | 80 | 60 | 40 | 20 | 0 |

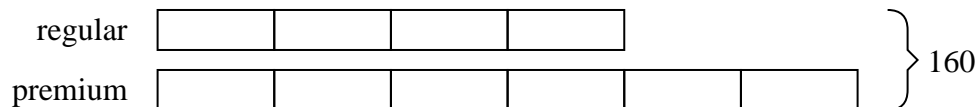**Solve each problem using a tape diagram.**

Answers

Ex) Luke was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 627 songs total how many did he like?
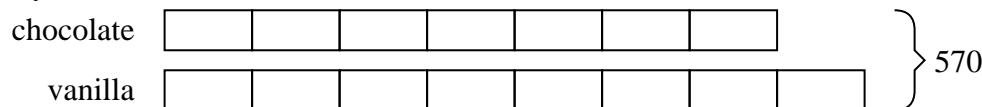
like   ☐☐☐☐

dislike   ☐☐☐☐☐☐☐ } 627

1) In August, Janet's Clothing Store sold 663 shirts with the ratio of short sleeve to long sleeve being 10:3. How many short sleeve shirts were sold?
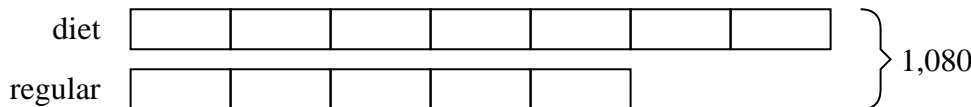
short   ☐☐☐☐☐☐☐☐☐☐

long   ☐☐☐ } 663

2) A cable company had 160 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?
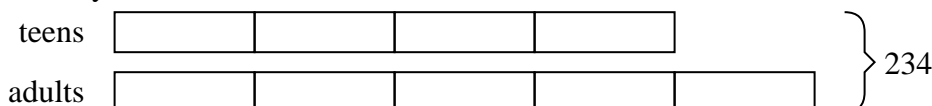
regular   ☐☐☐☐

premium   ☐☐☐☐☐☐ } 160

3) Oliver's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 570 shakes total with the ratio of chocolate to vanilla being 7:8. How many chocolate shakes did they sell?

chocolate   ☐☐☐☐☐☐☐

vanilla   ☐☐☐☐☐☐☐☐ } 570

4) A store had 1,080 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 7:5. How many diet sodas were there?

diet   ☐☐☐☐☐☐☐

regular   ☐☐☐☐☐ } 1,080

5) During an local election the ratio of teens to adults who voted was 4:5. If 234 people voted how many were teens?

teens   ☐☐☐☐

adults   ☐☐☐☐☐ } 234

Answers

Ex.	**228**
1.	**510**
2.	**64**
3.	**266**
4.	**630**
5.	**104**

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