Solve each problem using a tape diagram.

Ex) Luke's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 611 shakes total with the ratio of chocolate to vanilla being 6:7. How many chocolate shakes did they sell?

Ex. ___**282**___

1. _____

2. _____

1) A store had 451 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 3:8. How many diet sodas were there?

3. _____

4. _____

5. _____

2) At the fair the ratio of male to females was 6:7. If there are 1,157 people at the fair how many males are there?

3) Mike was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:7. If he listened to 450 songs total how many did he like?

4) During an local election the ratio of teens to adults who voted was 7:9. If 1,200 people voted how many were teens?
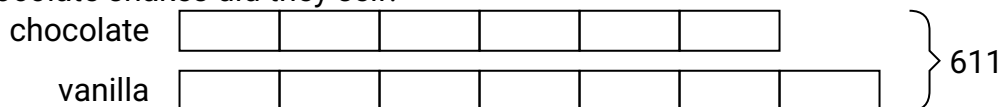
5) In August, Tiffany's Clothing Store sold 228 shirts with the ratio of short sleeve to long sleeve being 7:5. How many short sleeve shirts were sold?
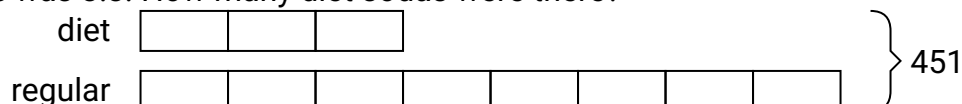
1-5 | 80 | 60 | 40 | 20 | 0
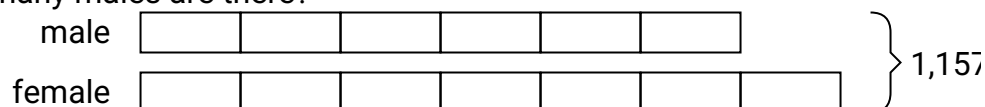
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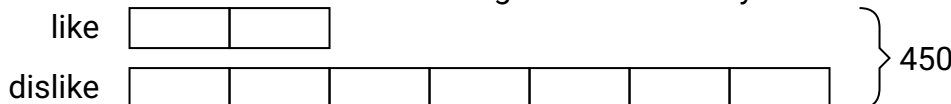
chocolate ⎬ 611
vanilla

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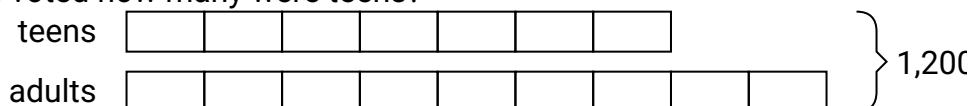
diet ⎬ 451
regular

2) At the fair the ratio of male to females was 6:7. If there are 1,157 people at the fair how many males are there?

male ⎬ 1,157
female

3) Mike was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:7. If he listened to 450 songs total how many did he like?

like ⎬ 450
dislike

4) During an local election the ratio of teens to adults who voted was 7:9. If 1,200 people voted how many were teens?

teens ⎬ 1,200
adults

5) In August, Tiffany's Clothing Store sold 228 shirts with the ratio of short sleeve to long sleeve being 7:5. How many short sleeve shirts were sold?

short ⎬ 228
long

Answers

Ex. **282**

1. **123**

2. **534**

3. **100**

4. **525**

5. **133**