



Solve each problem using a tape diagram.

**Answers**

**Ex)** A store had 819 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:9. How many diet sodas were there?

Ex. 252

**1)** Billy's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 598 shakes total with the ratio of chocolate to vanilla being 6:7. How many chocolate shakes did they sell?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

**2)** During an local election the ratio of teens to adults who voted was 6:8. If 1,246 people voted how many were teens?

**3)** In August, Vanessa's Clothing Store sold 900 shirts with the ratio of short sleeve to long sleeve being 10:5. How many short sleeve shirts were sold?

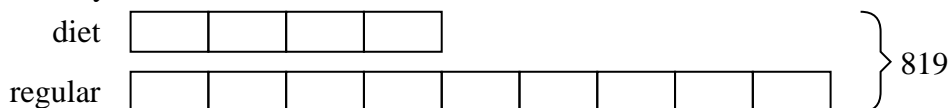
**4)** Jerry was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:10. If he listened to 480 songs total how many did he like?

**5)** A cable company had 819 subscribers. The ratio of regular subscribers to premium subscribers was 5:8. How many regular subscribers did they have?

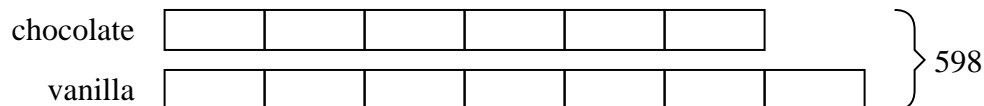


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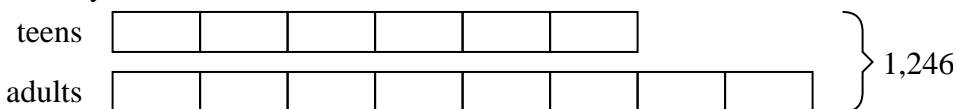
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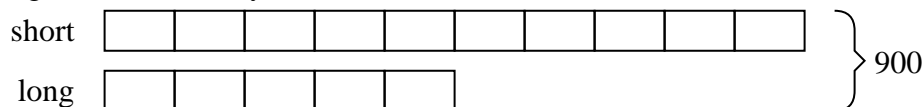
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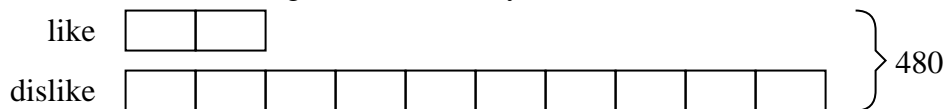
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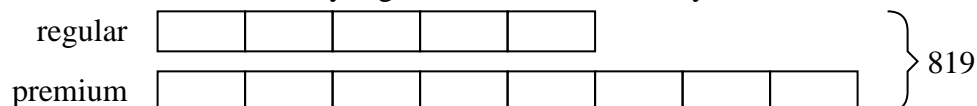
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**Answers**Ex. 2521. 2762. 5343. 6004. 805. 315