Ratios With Tape Diagram
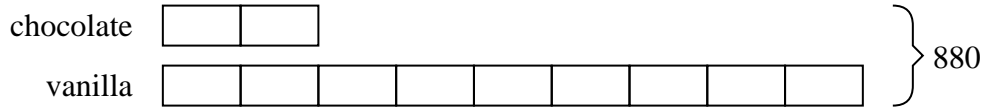
Name:

Solve each problem using a tape diagram.

1) Victor's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 880 shakes total with the ratio of chocolate to vanilla being 2:9. How many chocolate shakes did they sell?

1. _____

2. _____

3. _____

4. _____

2) George was looking at his streaming music stats. The ratio of songs he liked to disliked was 10:8. If he listened to 486 songs total how many did he like?

5. _____

3) During an local election the ratio of teens to adults who voted was 5:10. If 1,260 people voted how many were teens?

4) In August, Paige's Clothing Store sold 712 shirts with the ratio of short sleeve to long sleeve being 3:5. How many short sleeve shirts were sold?

5) A cable company had 918 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?
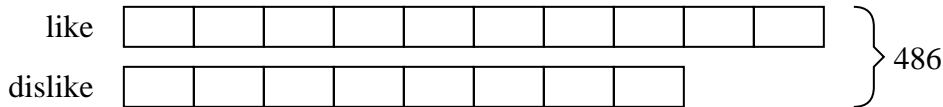
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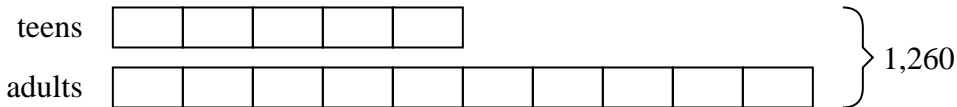**Solve each problem using a tape diagram.**

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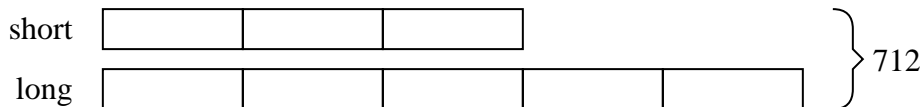
chocolate

vanilla

880

1. **160**

2) George was looking at his streaming music stats. The ratio of songs he liked to disliked was 10:8. If he listened to 486 songs total how many did he like?
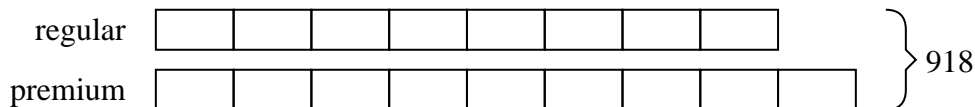
like

dislike

486

2. **270**

3. **420**

4. **267**

3) During an local election the ratio of teens to adults who voted was 5:10. If 1,260 people voted how many were teens?

teens

adults

1,260

5. **432**

4) In August, Paige's Clothing Store sold 712 shirts with the ratio of short sleeve to long sleeve being 3:5. How many short sleeve shirts were sold?

short

long

712

5) A cable company had 918 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?

regular

premium

918