# Ratios With Tape Diagram

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

**Ex)** During an local election the ratio of teens to adults who voted was 4:3. If 490 people voted how many were teens?

Ex. _____**280**_____

1. _____

2. _____

**1)** A cable company had 847 subscribers. The ratio of regular subscribers to premium subscribers was 9:2. How many regular subscribers did they have?

3. _____

4. _____

5. _____

**2)** Roger was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:8. If he listened to 1,316 songs total how many did he like?

**3)** Cody's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 792 shakes total with the ratio of chocolate to vanilla being 3:5. How many chocolate shakes did they sell?
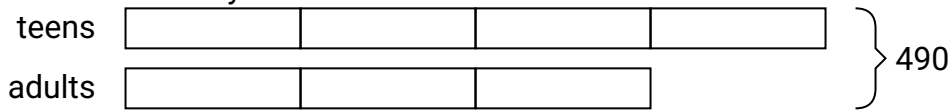
**4)** In August, Nancy's Clothing Store sold 871 shirts with the ratio of short sleeve to long sleeve being 4:9. How many short sleeve shirts were sold?

**5)** A store had 429 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 6:7. How many diet sodas were there?
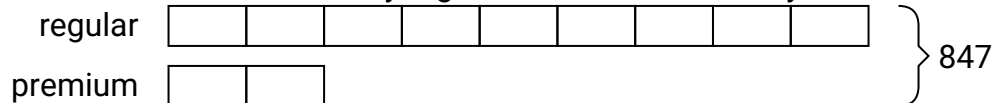
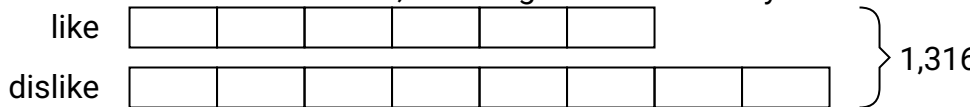**Math**

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

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

**Ex)** During an local election the ratio of teens to adults who voted was 4:3. If 490 people voted how many were teens?

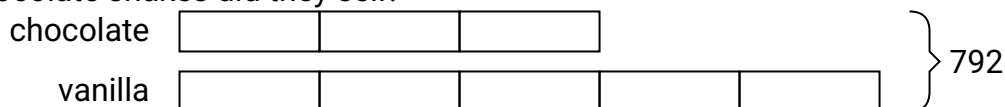teens ⎫
adults ⎬ 490

Ex. **280**

**1)** A cable company had 847 subscribers. The ratio of regular subscribers to premium subscribers was 9:2. How many regular subscribers did they have?
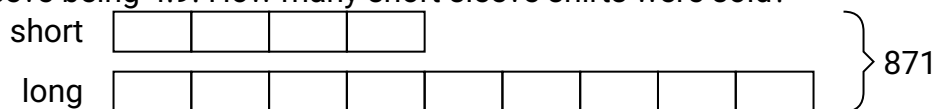
regular ⎫
premium ⎬ 847

1. **693**

2. **564**

**2)** Roger was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:8. If he listened to 1,316 songs total how many did he like?
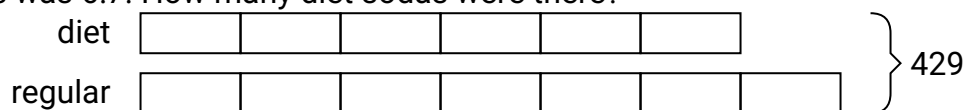
like ⎫
dislike ⎬ 1,316

3. **297**

4. **268**

**3)** Cody's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 792 shakes total with the ratio of chocolate to vanilla being 3:5. How many chocolate shakes did they sell?

chocolate ⎫
vanilla ⎬ 792

5. **198**

**4)** In August, Nancy's Clothing Store sold 871 shirts with the ratio of short sleeve to long sleeve being 4:9. How many short sleeve shirts were sold?

short ⎫
long ⎬ 871

**5)** A store had 429 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 6:7. How many diet sodas were there?

diet ⎫
regular ⎬ 429