| | Ratios With Tape Diagram | Name: |
|---|---|---|

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

**Ex)** Edward's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 204 shakes total with the ratio of chocolate to vanilla being 7:5. How many chocolate shakes did they sell?

Ex. _____ **119** _____

1. _____

2. _____

**1)** At the fair the ratio of male to females was 2:3. If there are 415 people at the fair how many males are there?

3. _____

4. _____

5. _____

**2)** In August, Olivia's Clothing Store sold 1,207 shirts with the ratio of short sleeve to long sleeve being 9:8. How many short sleeve shirts were sold?

**3)** A store had 705 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 7:8. How many diet sodas were there?
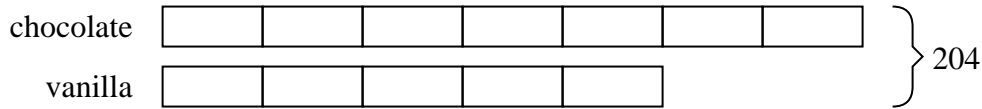
**4)** Mike was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:10. If he listened to 266 songs total how many did he like?

**5)** A cable company had 624 subscribers. The ratio of regular subscribers to premium subscribers was 9:4. How many regular subscribers did they have?
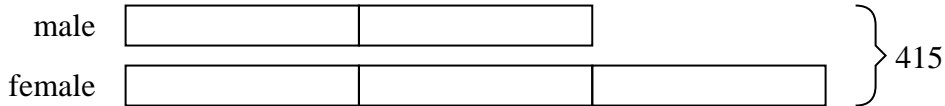
**Math**

# Ratios With Tape Diagram

Name:

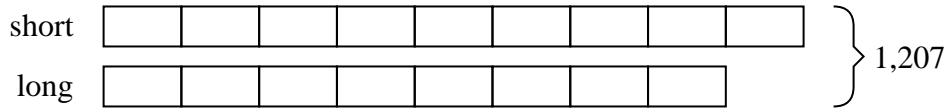**Solve each problem using a tape diagram.**

**Ex)** Edward's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 204 shakes total with the ratio of chocolate to vanilla being 7:5. How many chocolate shakes did they sell?
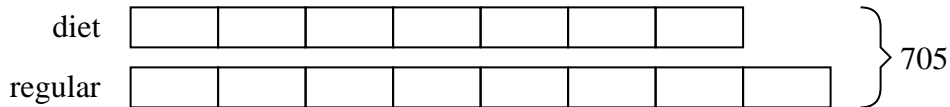
Ex. __**119**__

chocolate [   |   |   |   |   |   |   ] ⎫
vanilla [   |   |   |   |   ]        ⎬ 204
                                    ⎭

1. __**166**__

**1)** At the fair the ratio of male to females was 2:3. If there are 415 people at the fair how many males are there?

2. __**639**__

male [   |   ]          ⎫
female [   |   |   ]    ⎬ 415
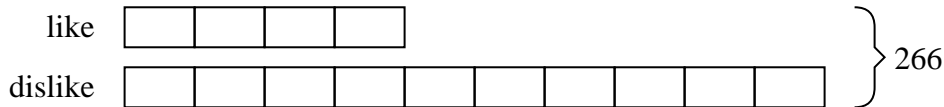                       ⎭

3. __**329**__

**2)** In August, Olivia's Clothing Store sold 1,207 shirts with the ratio of short sleeve to long sleeve being 9:8. How many short sleeve shirts were sold?
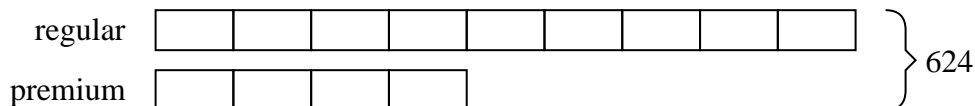
4. __**76**__

short [   |   |   |   |   |   |   |   |   ] ⎫
long [   |   |   |   |   |   |   |   ]      ⎬ 1,207
                                           ⎭

5. __**432**__

**3)** A store had 705 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 7:8. How many diet sodas were there?

diet [   |   |   |   |   |   |   ] ⎫
regular [   |   |   |   |   |   |   |   ] ⎬ 705
                                    ⎭

**4)** Mike was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:10. If he listened to 266 songs total how many did he like?

like [   |   |   |   ] ⎫
dislike [   |   |   |   |   |   |   |   |   |   ] ⎬ 266
                                    ⎭

**5)** A cable company had 624 subscribers. The ratio of regular subscribers to premium subscribers was 9:4. How many regular subscribers did they have?

regular [   |   |   |   |   |   |   |   |   ] ⎫
premium [   |   |   |   ]                     ⎬ 624
                                             ⎭

**Math**

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