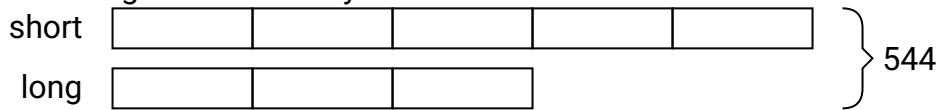# Ratios With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

Answers

Ex) In August, Faye's Clothing Store sold 544 shirts with the ratio of short sleeve to long sleeve being 5:3. How many short sleeve shirts were sold?

short [| | | |]
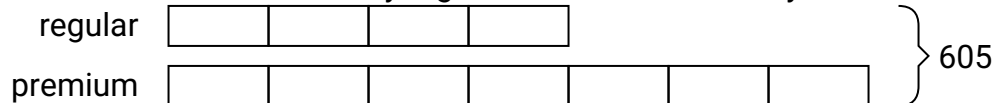long [| |]
} 544

Ex. **340**

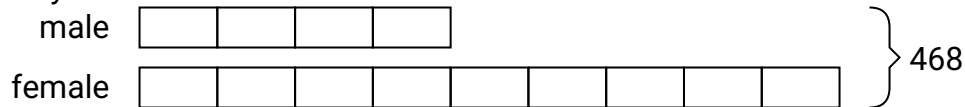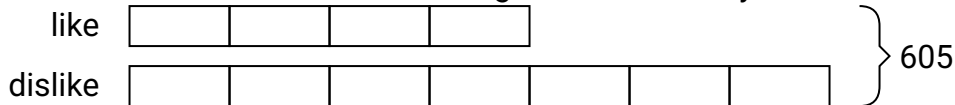**1)** A cable company had 605 subscribers. The ratio of regular subscribers to premium subscribers was 4:7. How many regular subscribers did they have?
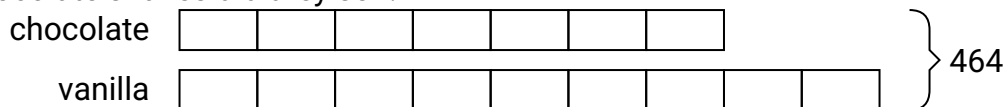
regular [| | |]
premium [| | | | | |]
} 605

1. _____

2. _____

2) At the fair the ratio of male to females was 4:9. If there are 468 people at the fair how many males are there?

male [| | |]
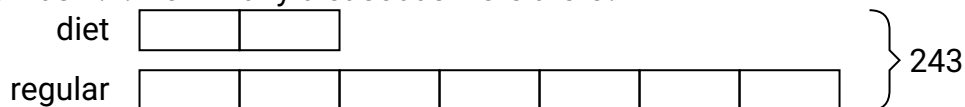female [| | | | | | | |]
} 468

3. _____

4. _____

3) Frank was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 605 songs total how many did he like?

like [| | |]
dislike [| | | | | |]
} 605

5. _____

4) Dave's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 464 shakes total with the ratio of chocolate to vanilla being 7:9. How many chocolate shakes did they sell?
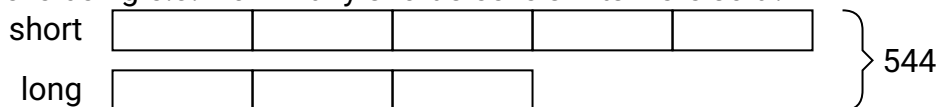
chocolate [| | | | | |]
vanilla [| | | | | | | |]
} 464

5) A store had 243 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:7. How many diet sodas were there?
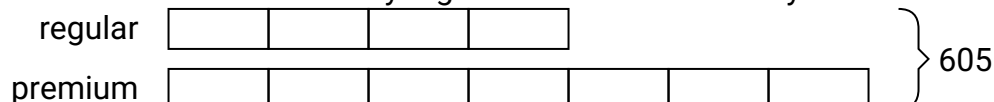
diet [|]
regular [| | | | | |]
} 243

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

Name: **Answer Key**

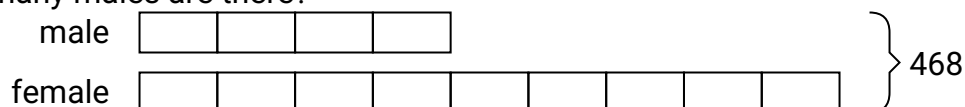**Solve each problem using a tape diagram.**

Answers

Ex) In August, Faye's Clothing Store sold 544 shirts with the ratio of short sleeve to long sleeve being 5:3. How many short sleeve shirts were sold?
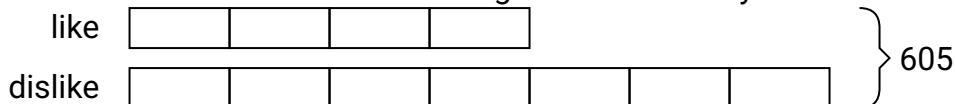
short [| | | |] ⎫
long [| |] ⎬ 544

Ex. **340**

1) A cable company had 605 subscribers. The ratio of regular subscribers to premium subscribers was 4:7. How many regular subscribers did they have?
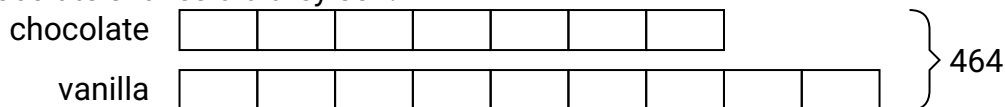
regular [| | |] ⎫
premium [| | | | | |] ⎬ 605

1. **220**

2) At the fair the ratio of male to females was 4:9. If there are 468 people at the fair how many males are there?

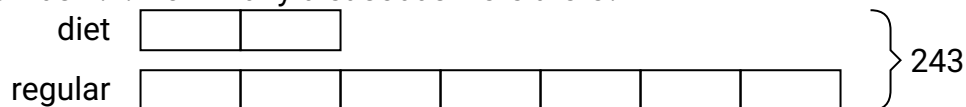male [| | |] ⎫
female [| | | | | | | |] ⎬ 468

2. **144**

3) Frank was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 605 songs total how many did he like?

like [| | |] ⎫
dislike [| | | | | |] ⎬ 605

3. **220**

4) Dave's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 464 shakes total with the ratio of chocolate to vanilla being 7:9. How many chocolate shakes did they sell?

chocolate [| | | | | |] ⎫
vanilla [| | | | | | | |] ⎬ 464

4. **203**

5) A store had 243 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:7. How many diet sodas were there?

diet [|] ⎫
regular [| | | | | |] ⎬ 243

5. **54**