## Solve each problem using a tape diagram.

Ex) Sam's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,092 shakes total with the ratio of chocolate to vanilla being 4:10. How many chocolate shakes did they sell?

1) Frank was looking at his streaming music stats. The ratio of songs he liked to disliked was 3:9. If he listened to 888 songs total how many did he like?

2) At the fair the ratio of male to females was 2:8. If there are 640 people at the fair how many males are there?

3) A cable company had 1,377 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?

4) A store had 686 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:6. How many diet sodas were there?

5) During an local election the ratio of teens to adults who voted was 6:5. If 176 people voted how many were teens?

Answers

Ex. \_\_\_\_\_**312** 

\_\_\_\_

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

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

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

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



## Ratios With Tape Diagram

**Answer Key** 

Answers

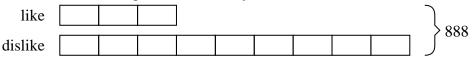
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**Ex**) Sam's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,092 shakes total with the ratio of chocolate to vanilla being 4:10. How many chocolate shakes did they sell?

chocolate						)	1 000
vanilla						J	× 1,092

1) Frank was looking at his streaming music stats. The ratio of songs he liked to disliked was 3:9. If he listened to 888 songs total how many did he like?



2) At the fair the ratio of male to females was 2:8. If there are 640 people at the fair how many males are there?

male					)	× < 10
female					J	> 640

3) A cable company had 1,377 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?

					_	
regular					)	
						> 1.377
premium					ل ا	1,577

4) A store had 686 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:6. How many diet sodas were there?

diet					)	
regular					j	> 686

5) During an local election the ratio of teens to adults who voted was 6:5. If 176 people voted how many were teens?

teens				
adults				> 176