



Solve each problem using a tape diagram.

Answers

Ex) A cable company had 756 subscribers. The ratio of regular subscribers to premium subscribers was 8:4. How many regular subscribers did they have?

Ex. 504

1) Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,386 shakes total with the ratio of chocolate to vanilla being 5:9. How many chocolate shakes did they sell?

1. _____

2. _____

3. _____

4. _____

5. _____

2) A store had 880 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 9:2. How many diet sodas were there?

3) Roger was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:2. If he listened to 228 songs total how many did he like?

4) During an local election the ratio of teens to adults who voted was 5:8. If 741 people voted how many were teens?

5) At the fair the ratio of male to females was 7:8. If there are 930 people at the fair how many males are there?



Solve each problem using a tape diagram.

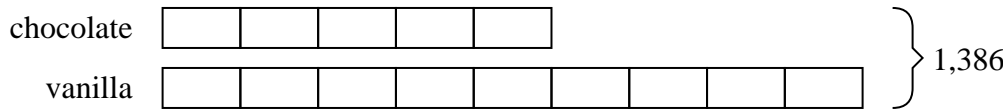
Ex) A cable company had 756 subscribers. The ratio of regular subscribers to premium subscribers was 8:4. How many regular subscribers did they have?



Answers

Ex. 504

1) Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,386 shakes total with the ratio of chocolate to vanilla being 5:9. How many chocolate shakes did they sell?



1. 495

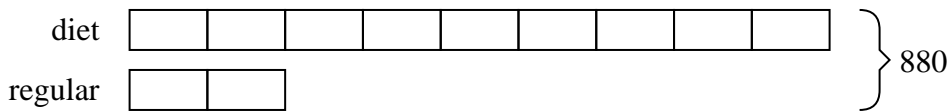
2. 720

3. 152

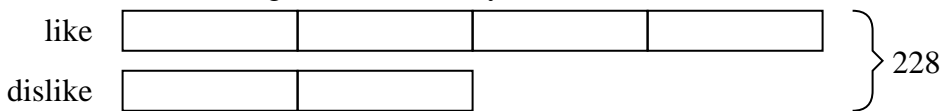
4. 285

5. 434

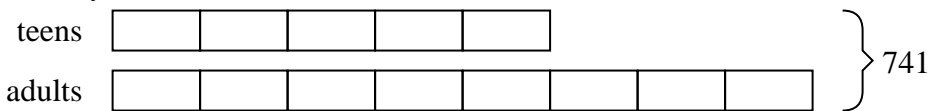
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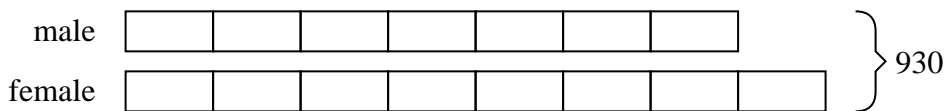
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4) During an local election the ratio of teens to adults who voted was 5:8. If 741 people voted how many were teens?



5) At the fair the ratio of male to females was 7:8. If there are 930 people at the fair how many males are there?





Solve each problem using a tape diagram.

Answers

Ex) During an local election the ratio of teens to adults who voted was 10:5. If 1,290 people voted how many were teens?

Ex. 860

1) At the fair the ratio of male to females was 5:2. If there are 175 people at the fair how many males are there?

1. _____

2. _____

3. _____

4. _____

5. _____

2) In August, Lana's Clothing Store sold 1,209 shirts with the ratio of short sleeve to long sleeve being 5:8. How many short sleeve shirts were sold?

3) Mike's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 228 shakes total with the ratio of chocolate to vanilla being 8:4. How many chocolate shakes did they sell?

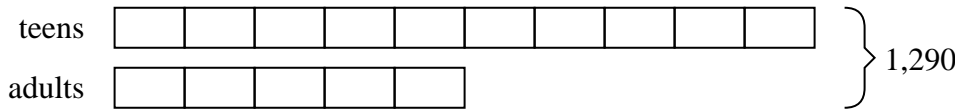
4) A cable company had 208 subscribers. The ratio of regular subscribers to premium subscribers was 9:4. How many regular subscribers did they have?

5) A store had 216 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:6. How many diet sodas were there?

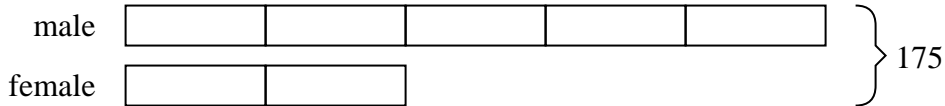


Solve each problem using a tape diagram.

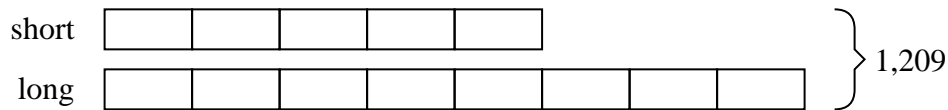
- Ex) During an local election the ratio of teens to adults who voted was 10:5. If 1,290 people voted how many were teens?

AnswersEx. 860

- 1) At the fair the ratio of male to females was 5:2. If there are 175 people at the fair how many males are there?

1. 1252. 4653. 1524. 1445. 54

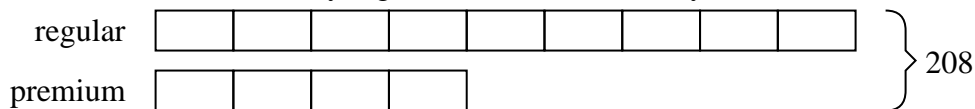
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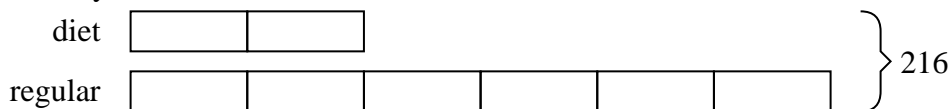
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- 4) A cable company had 208 subscribers. The ratio of regular subscribers to premium subscribers was 9:4. How many regular subscribers did they have?



- 5) A store had 216 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:6. How many diet sodas were there?





Solve each problem using a tape diagram.

Answers

Ex) A cable company had 663 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?

Ex. 312

1) Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 714 shakes total with the ratio of chocolate to vanilla being 10:7. How many chocolate shakes did they sell?

1. _____

2. _____

3. _____

4. _____

5. _____

2) Oliver was looking at his streaming music stats. The ratio of songs he liked to disliked was 7:6. If he listened to 1,079 songs total how many did he like?

3) During an local election the ratio of teens to adults who voted was 3:6. If 828 people voted how many were teens?

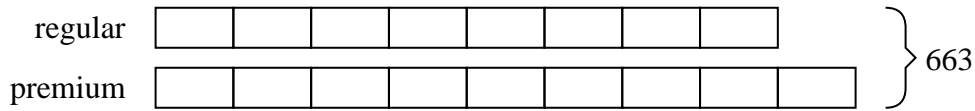
4) At the fair the ratio of male to females was 8:10. If there are 324 people at the fair how many males are there?

5) In August, Carol's Clothing Store sold 585 shirts with the ratio of short sleeve to long sleeve being 3:6. How many short sleeve shirts were sold?

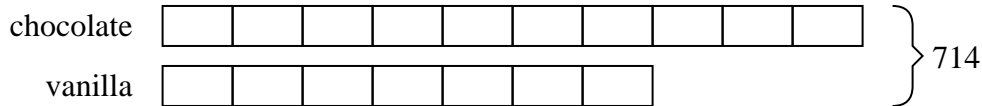


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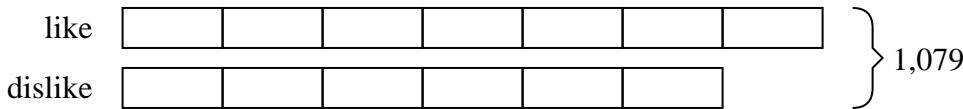
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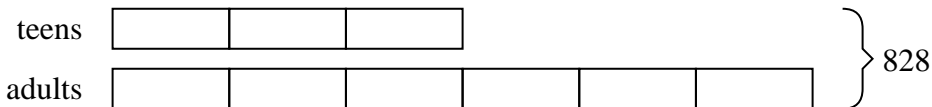
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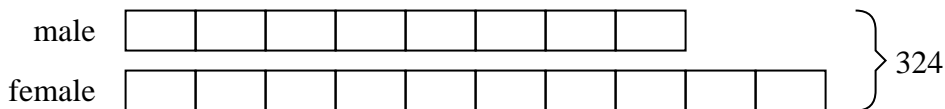
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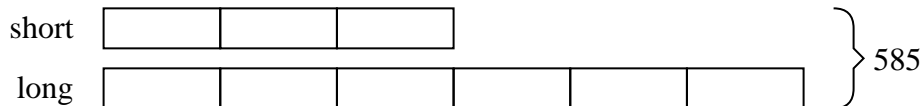
3) During an local election the ratio of teens to adults who voted was 3:6. If 828 people voted how many were teens?



4) At the fair the ratio of male to females was 8:10. If there are 324 people at the fair how many males are there?



5) In August, Carol's Clothing Store sold 585 shirts with the ratio of short sleeve to long sleeve being 3:6. How many short sleeve shirts were sold?

**Answers**Ex. 3121. 4202. 5813. 2764. 1445. 195



Solve each problem using a tape diagram.

Answers

Ex) At the fair the ratio of male to females was 8:10. If there are 774 people at the fair how many males are there?

Ex. 344

1) During an local election the ratio of teens to adults who voted was 3:4. If 322 people voted how many were teens?

1. _____

2. _____

3. _____

4. _____

5. _____

2) Cody's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 924 shakes total with the ratio of chocolate to vanilla being 5:6. How many chocolate shakes did they sell?

3) A cable company had 585 subscribers. The ratio of regular subscribers to premium subscribers was 7:2. How many regular subscribers did they have?

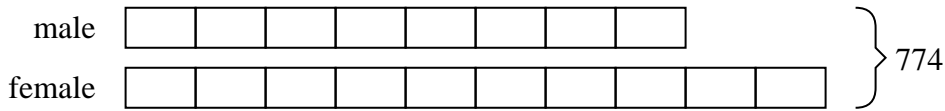
4) A store had 732 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:10. How many diet sodas were there?

5) Adam was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:7. If he listened to 780 songs total how many did he like?

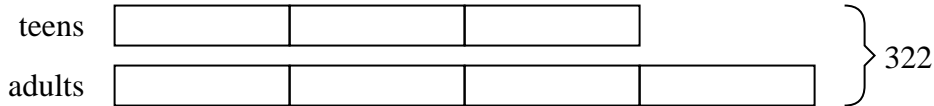


Solve each problem using a tape diagram.

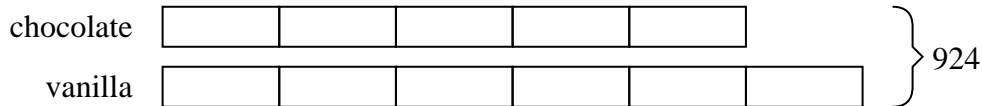
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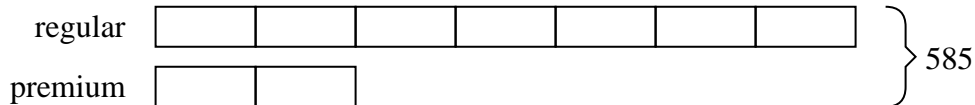
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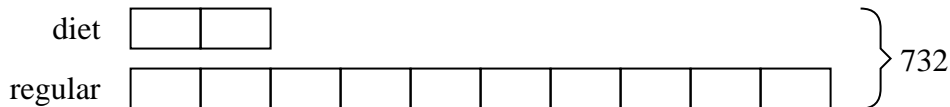
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4) A store had 732 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:10. How many diet sodas were there?



5) Adam was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:7. If he listened to 780 songs total how many did he like?

**Answers**Ex. 3441. 1382. 4203. 4554. 1225. 360



Solve each problem using a tape diagram.

Answers

Ex) Edward was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:8. If he listened to 520 songs total how many did he like?

Ex. 104

1) Adam's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 385 shakes total with the ratio of chocolate to vanilla being 7:4. How many chocolate shakes did they sell?

1. _____

2. _____

3. _____

4. _____

5. _____

2) A cable company had 610 subscribers. The ratio of regular subscribers to premium subscribers was 7:3. How many regular subscribers did they have?

3) In August, Vanessa's Clothing Store sold 330 shirts with the ratio of short sleeve to long sleeve being 6:5. How many short sleeve shirts were sold?

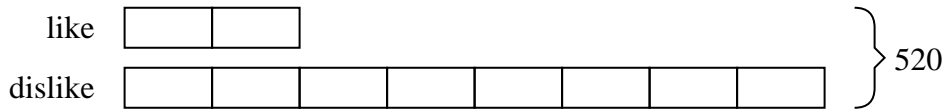
4) At the fair the ratio of male to females was 2:6. If there are 248 people at the fair how many males are there?

5) During an local election the ratio of teens to adults who voted was 6:8. If 420 people voted how many were teens?

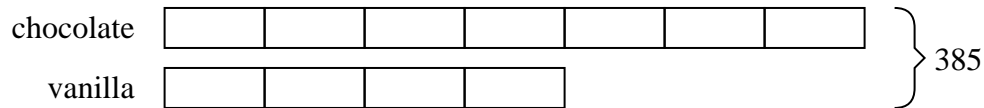


Solve each problem using a tape diagram.

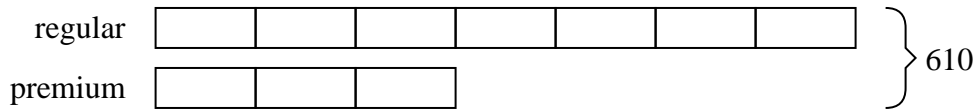
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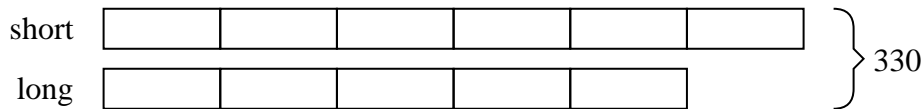
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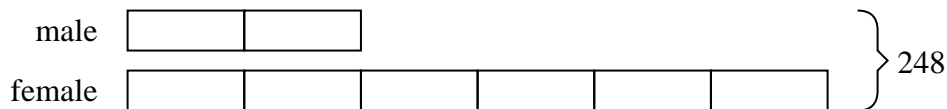
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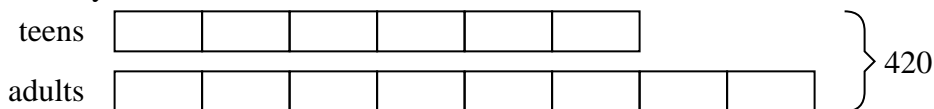
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4) At the fair the ratio of male to females was 2:6. If there are 248 people at the fair how many males are there?



5) During an local election the ratio of teens to adults who voted was 6:8. If 420 people voted how many were teens?

AnswersEx. 1041. 2452. 4273. 1804. 625. 180



Solve each problem using a tape diagram.

Answers

Ex) During an local election the ratio of teens to adults who voted was 3:4. If 308 people voted how many were teens?

Ex. 132

1) Dave was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:5. If he listened to 528 songs total how many did he like?

1. _____

2. _____

3. _____

4. _____

5. _____

2) A cable company had 418 subscribers. The ratio of regular subscribers to premium subscribers was 10:9. How many regular subscribers did they have?

3) At the fair the ratio of male to females was 2:5. If there are 301 people at the fair how many males are there?

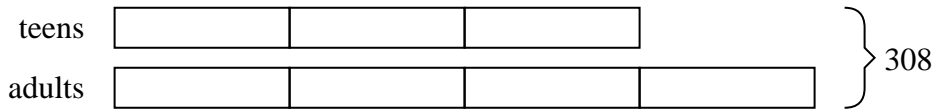
4) In August, Sarah's Clothing Store sold 400 shirts with the ratio of short sleeve to long sleeve being 7:9. How many short sleeve shirts were sold?

5) A store had 253 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:3. How many diet sodas were there?

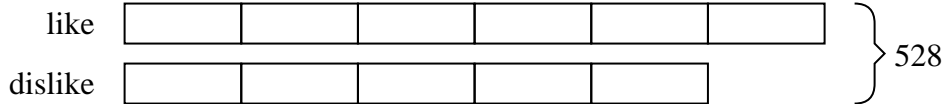


Solve each problem using a tape diagram.

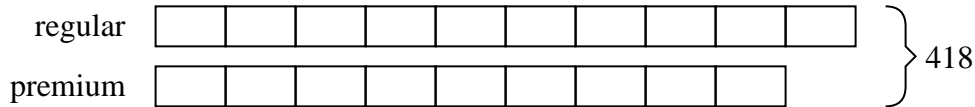
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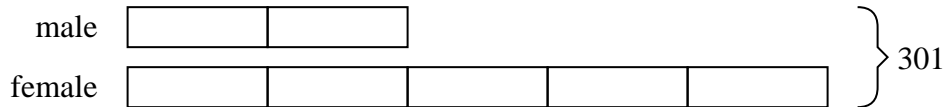
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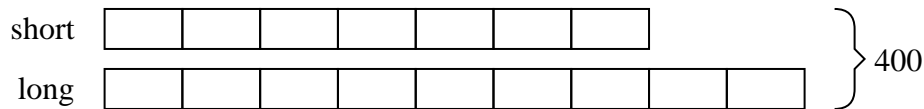
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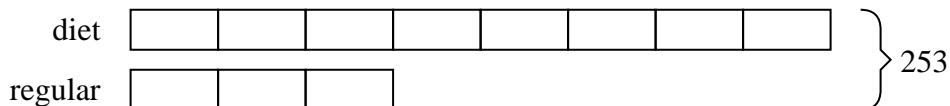
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5) A store had 253 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:3. How many diet sodas were there?

AnswersEx. 1321. 2882. 2203. 864. 1755. 184



Solve each problem using a tape diagram.

Ex) At the fair the ratio of male to females was 4:9. If there are 533 people at the fair how many males are there?

AnswersEx. 164

1. _____

2. _____

3. _____

4. _____

5. _____

1) A cable company had 261 subscribers. The ratio of regular subscribers to premium subscribers was 6:3. How many regular subscribers did they have?

2) During an local election the ratio of teens to adults who voted was 8:9. If 1,122 people voted how many were teens?

3) In August, Lana's Clothing Store sold 1,008 shirts with the ratio of short sleeve to long sleeve being 6:10. How many short sleeve shirts were sold?

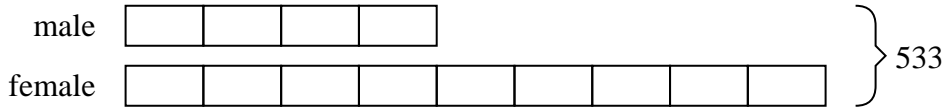
4) Edward's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 645 shakes total with the ratio of chocolate to vanilla being 8:7. How many chocolate shakes did they sell?

5) A store had 285 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:3. How many diet sodas were there?

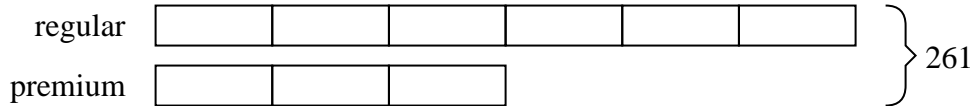


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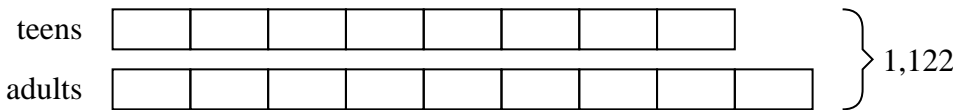
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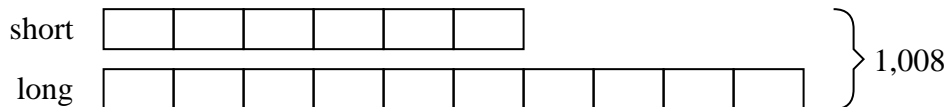
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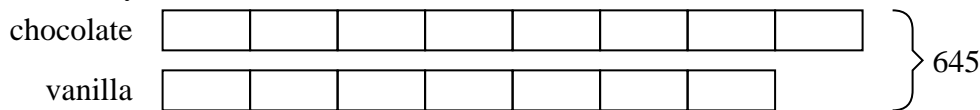
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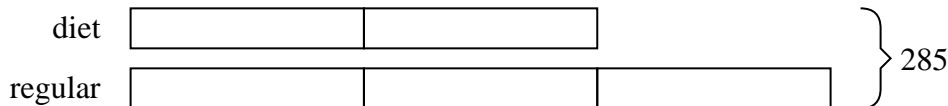
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5) A store had 285 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:3. How many diet sodas were there?

AnswersEx. 1641. 1742. 5283. 3784. 3445. 114



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Answers

Ex) Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 627 songs total how many did he like?

Ex. 228

1) In August, Bianca's Clothing Store sold 663 shirts with the ratio of short sleeve to long sleeve being 10:3. How many short sleeve shirts were sold?

1. _____

2. _____

3. _____

4. _____

5. _____

2) A cable company had 160 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?

3) Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 570 shakes total with the ratio of chocolate to vanilla being 7:8. How many chocolate shakes did they sell?

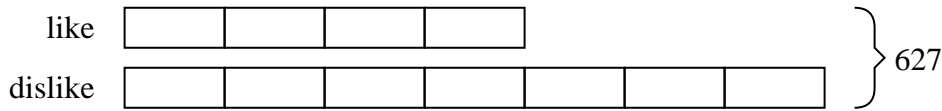
4) A store had 1,080 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 7:5. How many diet sodas were there?

5) During an local election the ratio of teens to adults who voted was 4:5. If 234 people voted how many were teens?

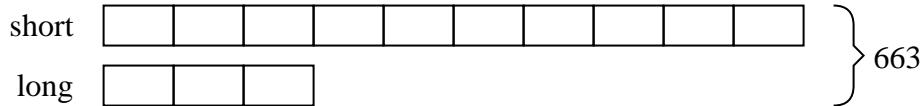


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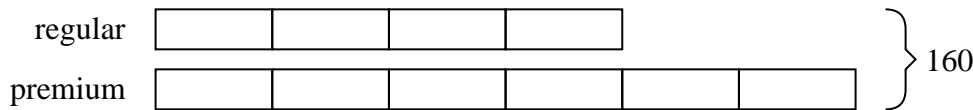
Ex) Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 627 songs total how many did he like?

AnswersEx. 2281. 5102. 643. 2664. 6305. 104

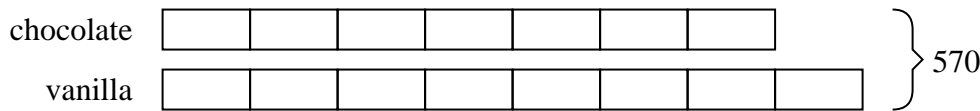
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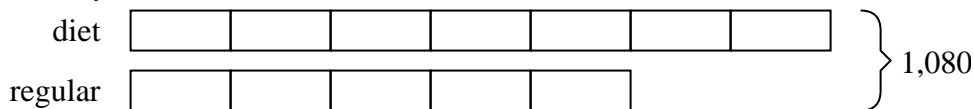
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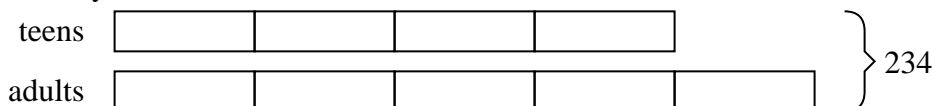
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5) During an local election the ratio of teens to adults who voted was 4:5. If 234 people voted how many were teens?





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Answers

Ex) In August, Vanessa's Clothing Store sold 870 shirts with the ratio of short sleeve to long sleeve being 10:5. How many short sleeve shirts were sold?

Ex. 580

1) A store had 552 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:4. How many diet sodas were there?

1. _____

2. _____

3. _____

4. _____

5. _____

2) At the fair the ratio of male to females was 9:4. If there are 689 people at the fair how many males are there?

3) A cable company had 90 subscribers. The ratio of regular subscribers to premium subscribers was 7:2. How many regular subscribers did they have?

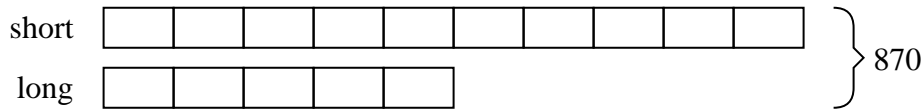
4) During an local election the ratio of teens to adults who voted was 9:7. If 1,040 people voted how many were teens?

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 336 shakes total with the ratio of chocolate to vanilla being 4:2. How many chocolate shakes did they sell?

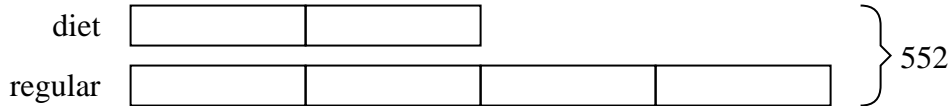


Solve each problem using a tape diagram.

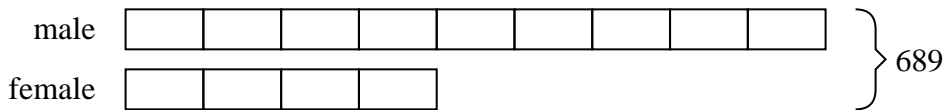
- Ex) In August, Vanessa's Clothing Store sold 870 shirts with the ratio of short sleeve to long sleeve being 10:5. How many short sleeve shirts were sold?



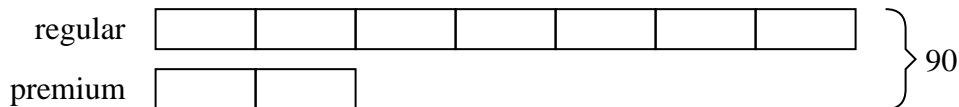
- 1) A store had 552 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:4. How many diet sodas were there?



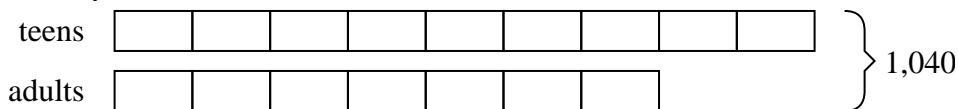
- 2) At the fair the ratio of male to females was 9:4. If there are 689 people at the fair how many males are there?



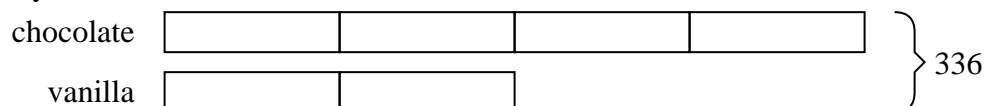
- 3) A cable company had 90 subscribers. The ratio of regular subscribers to premium subscribers was 7:2. How many regular subscribers did they have?



- 4) During an local election the ratio of teens to adults who voted was 9:7. If 1,040 people voted how many were teens?



- 5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 336 shakes total with the ratio of chocolate to vanilla being 4:2. How many chocolate shakes did they sell?

AnswersEx. 5801. 1842. 4773. 704. 5855. 224



Solve each problem using a tape diagram.

Answers

Ex) A store had 180 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:6. How many diet sodas were there?

Ex. 72

1) During an local election the ratio of teens to adults who voted was 9:4. If 1,131 people voted how many were teens?

1. _____

2. _____

3. _____

4. _____

5. _____

2) Cody's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 357 shakes total with the ratio of chocolate to vanilla being 5:2. How many chocolate shakes did they sell?

3) At the fair the ratio of male to females was 7:3. If there are 340 people at the fair how many males are there?

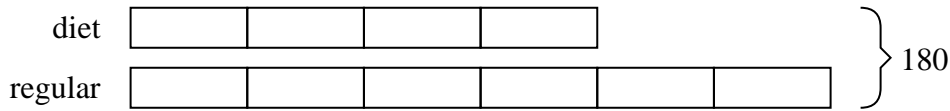
4) A cable company had 870 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?

5) In August, Gwen's Clothing Store sold 1,125 shirts with the ratio of short sleeve to long sleeve being 5:10. How many short sleeve shirts were sold?



Solve each problem using a tape diagram.

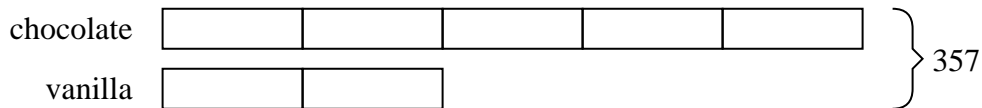
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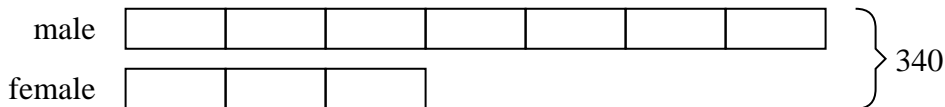
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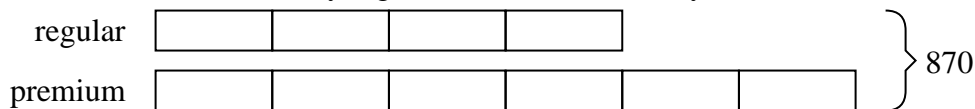
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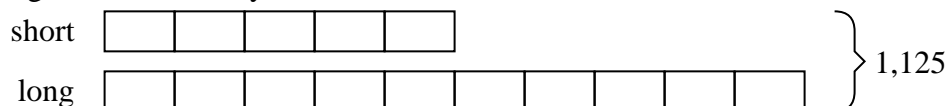
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AnswersEx. 721. 7832. 2553. 2384. 3485. 375