Ratios With Tape Diagram

Name:

Solve each problem using a tape diagram.

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?

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?

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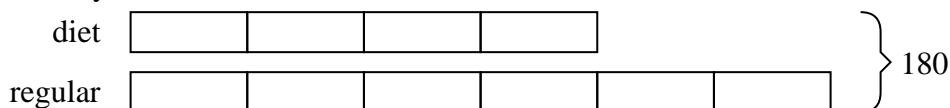
4) A cable company had 870 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?

5) In August, Emily'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?
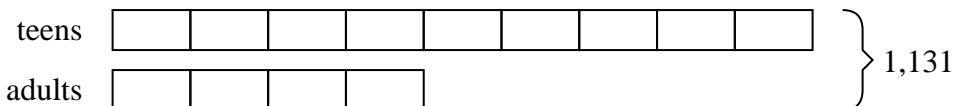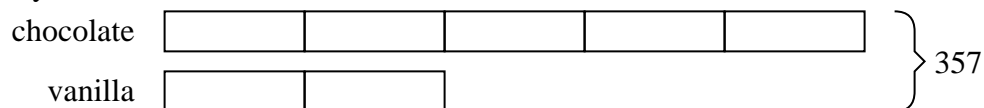
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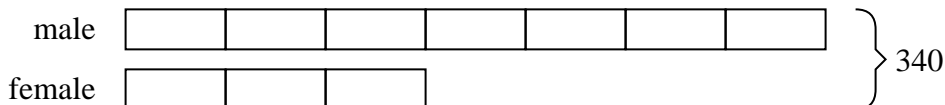
diet

regular

} 180

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?

teens
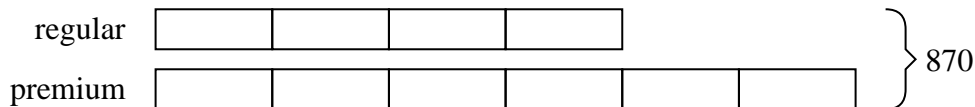
adults

} 1,131

1. __**783**__

2. __**255**__

2) Jerry'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?
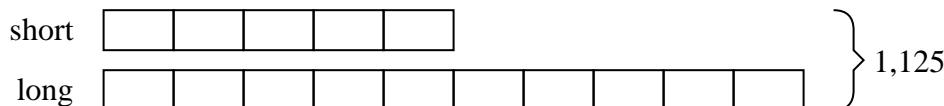
chocolate

vanilla

} 357

3. __**238**__

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?

male

female

} 340

4. __**348**__

5. __**375**__

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?

regular

premium

} 870

5) In August, Emily'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?

short

long

} 1,125

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