Solve each problem using a tape diagram.

Answers

Ex) In August, Haley'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. _____

2. _____

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?

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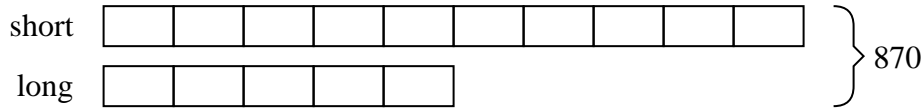
4) During an local election the ratio of teens to adults who voted was 9:7. If 1,040 people voted how many were teens?

5) George'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?
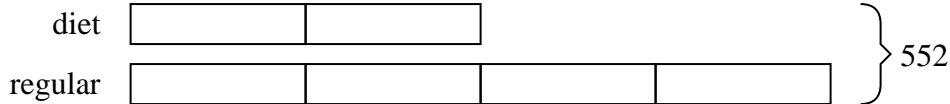
1-5 | 80 | 60 | 40 | 20 | 0

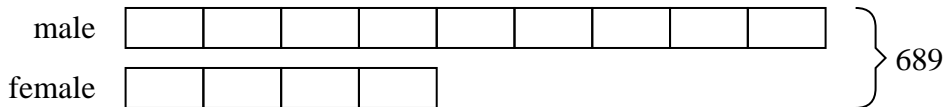**Solve each problem using a tape diagram.**

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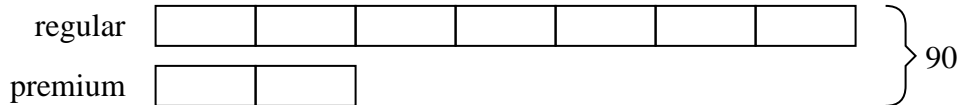
short ⟩ 870
long

Ex. **580**

1. **184**

2. **477**

3. **70**

4. **585**

5. **224**

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?

diet ⟩ 552
regular
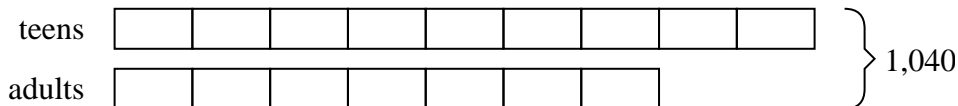
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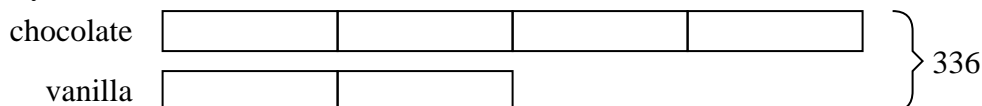
male ⟩ 689
female

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?

regular ⟩ 90
premium

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?

teens ⟩ 1,040
adults

5) George'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?

chocolate ⟩ 336
vanilla