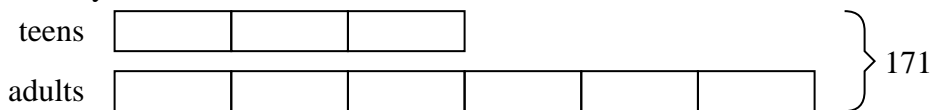# Ratios With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

Ex) During an local election the ratio of teens to adults who voted was 3:6. If 171 people voted how many were teens?

teens | | | |

adults | | | | | | |

} 171

Ex. _____ **57** _____

1) In August, Paige's Clothing Store sold 360 shirts with the ratio of short sleeve to long sleeve being 10:8. How many short sleeve shirts were sold?

1. _____

2. _____

3. _____

2) At the fair the ratio of male to females was 4:6. If there are 440 people at the fair how many males are there?

4. _____

5. _____

3) Oliver was looking at his streaming music stats. The ratio of songs he liked to disliked was 10:2. If he listened to 516 songs total how many did he like?

4) A store had 572 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 6:7. How many diet sodas were there?

5) A cable company had 920 subscribers. The ratio of regular subscribers to premium subscribers was 8:2. How many regular subscribers did they have?

Answer Key

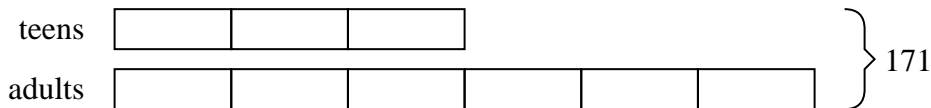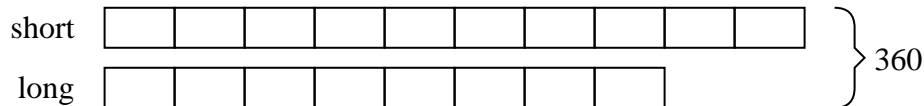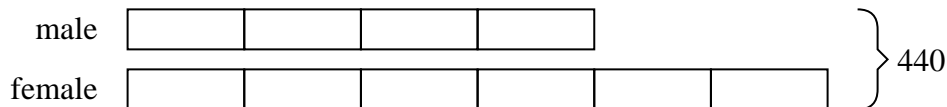**Solve each problem using a tape diagram.**

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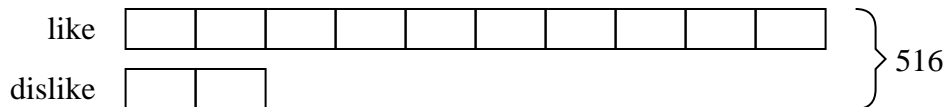
teens

adults

} 171

Ex. _____ **57**

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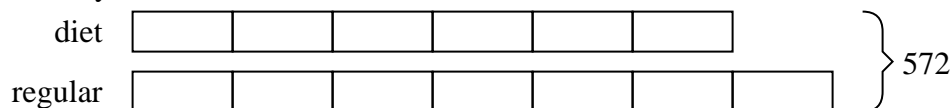
short

long

} 360

1. _____ **200**

2. _____ **176**

3. _____ **430**

2) At the fair the ratio of male to females was 4:6. If there are 440 people at the fair how many males are there?
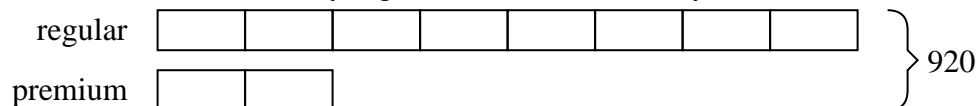
male

female

} 440

4. _____ **264**

5. _____ **736**

3) Oliver was looking at his streaming music stats. The ratio of songs he liked to disliked was 10:2. If he listened to 516 songs total how many did he like?

like

dislike

} 516

4) A store had 572 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 6:7. How many diet sodas were there?

diet

regular

} 572

5) A cable company had 920 subscribers. The ratio of regular subscribers to premium subscribers was 8:2. How many regular subscribers did they have?

regular

premium

} 920

Math