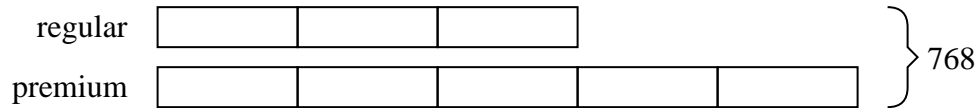## Ratios With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) A cable company had 768 subscribers. The ratio of regular subscribers to premium subscribers was 3:5. How many regular subscribers did they have?

regular

premium

} 768

1) At the fair the ratio of male to females was 2:8. If there are 500 people at the fair how many males are there?

2) Paul's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 156 shakes total with the ratio of chocolate to vanilla being 8:5. How many chocolate shakes did they sell?

3) A store had 357 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:5. How many diet sodas were there?
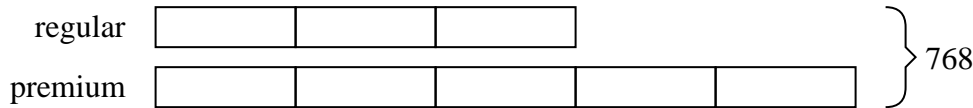
4) During an local election the ratio of teens to adults who voted was 10:8. If 1,314 people voted how many were teens?

5) In August, Amy's Clothing Store sold 1,068 shirts with the ratio of short sleeve to long sleeve being 9:3. How many short sleeve shirts were sold?

Solve each problem using a tape diagram.

Ex) A cable company had 768 subscribers. The ratio of regular subscribers to premium subscribers was 3:5. How many regular subscribers did they have?
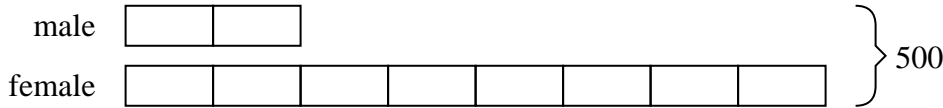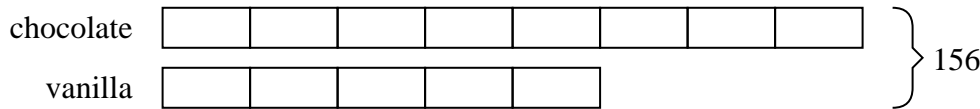
regular | | | |

premium | | | | | |

} 768

Ex. _____ **288**

1. _____ **100**

2. _____ **96**

3. _____ **102**

4. _____ **730**

5. _____ **801**

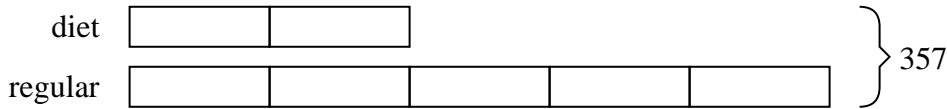**1)** At the fair the ratio of male to females was 2:8. If there are 500 people at the fair how many males are there?
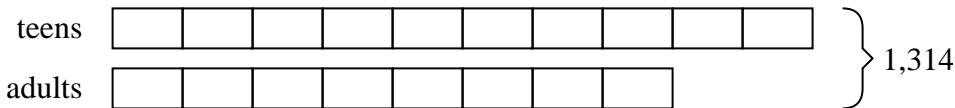
male | | |

female | | | | | | | | |

} 500

2) Paul's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 156 shakes total with the ratio of chocolate to vanilla being 8:5. How many chocolate shakes did they sell?

chocolate | | | | | | | | |

vanilla | | | | | |

} 156

3) A store had 357 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:5. How many diet sodas were there?

diet | | |

regular | | | | | |

} 357

4) During an local election the ratio of teens to adults who voted was 10:8. If 1,314 people voted how many were teens?

teens | | | | | | | | | | |

adults | | | | | | | | |

} 1,314

5) In August, Amy's Clothing Store sold 1,068 shirts with the ratio of short sleeve to long sleeve being 9:3. How many short sleeve shirts were sold?

short | | | | | | | | | |

long | | |

} 1,068