Answers

Solve each problem using a tape diagram.

Ex) Henry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 450 shakes total with the ratio of chocolate to vanilla being 5:4. How many chocolate shakes did they sell?

chocolate vanilla

\} 450

1) At the fair the ratio of male to females was 5:6. If there are 319 people at the fair how many males are there?

3. _____

| " ---

2) During an local election the ratio of teens to adults who voted was 3:8. If 187 people voted how many were teens?

3) A store had 264 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 3:5. How many diet sodas were there?

4) A cable company had 784 subscribers. The ratio of regular subscribers to premium subscribers was 9:7. How many regular subscribers did they have?

5) In August, Haley's Clothing Store sold 272 shirts with the ratio of short sleeve to long sleeve being 9:8. How many short sleeve shirts were sold?



Ratios With Tape Diagram

Answer Key

<u>Answers</u>

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Name:

Soi	ve	each	problem	using a	a tai	oe diagrar	n
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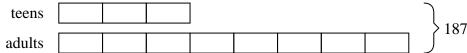
Ex) Henry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 450 shakes total with the ratio of chocolate to vanilla being 5:4. How many chocolate shakes did they sell?

chocolate			150
vanilla			<i>3</i> 450

1) At the fair the ratio of male to females was 5:6. If there are 319 people at the fair how many males are there?

male				210
female				319

2) During an local election the ratio of teens to adults who voted was 3:8. If 187 people voted how many were teens?



3) A store had 264 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 3:5. How many diet sodas were there?

diet				
regular				<u>}</u> 26 ²

4) A cable company had 784 subscribers. The ratio of regular subscribers to premium subscribers was 9:7. How many regular subscribers did they have?

regular)	
premium					j	> 784

5) In August, Haley's Clothing Store sold 272 shirts with the ratio of short sleeve to long sleeve being 9:8. How many short sleeve shirts were sold?

short)	
						> 2.72.
long					ل	