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Solve	each	problem	using	ล	tane	diagram.
DUITE	cacii	problem	using	а	uapt	uiagi aiii.

1) A store had 888 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:4. How many diet sodas were there?

2) In August, Emily's Clothing Store sold 460 shirts with the ratio of short sleeve to long

sleeve being 3:7. How many short sleeve shirts were sold?

Answers

3.

4. _____

5.

3) A cable company had 595 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?

4) John was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:2. If he listened to 91 songs total how many did he like?

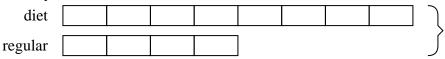
5) At the fair the ratio of male to females was 4:5. If there are 180 people at the fair how many males are there?

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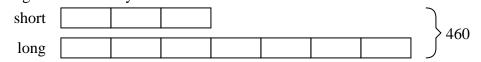


Solve each problem using a tape diagram.

1) A store had 888 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:4. How many diet sodas were there?



2) In August, Emily's Clothing Store sold 460 shirts with the ratio of short sleeve to long sleeve being 3:7. How many short sleeve shirts were sold?



3) A cable company had 595 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?

regular						\ 50 5
premium						> 393

4) John was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:2. If he listened to 91 songs total how many did he like?

like				. 1
dislike			<i></i>	'Ι

5) At the fair the ratio of male to females was 4:5. If there are 180 people at the fair how many males are there?

male				
				> 180
female]	100

592

138

280

65

80



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Solve each	nroblem	บร่าง ๑	tane	diagram
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1) In August, Sarah's Clothing Store sold 220 shirts with the ratio of short sleeve to long sleeve being 7:3. How many short sleeve shirts were sold?

2) A cable company had 260 subscribers. The ratio of regular subscribers to premium

subscribers was 10:3. How many regular subscribers did they have?

. _____

Answers

3. _____

4. _____

5.

3) At the fair the ratio of male to females was 3:9. If there are 360 people at the fair how many males are there?

4) During an local election the ratio of teens to adults who voted was 10:9. If 1,387 people voted how many were teens?

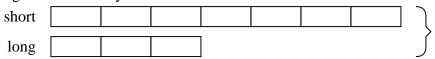
5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,440 shakes total with the ratio of chocolate to vanilla being 6:9. How many chocolate shakes did they sell?



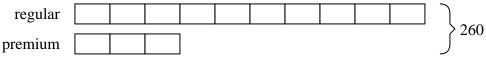
Name:

Solve each problem using a tape diagram.

1) In August, Sarah's Clothing Store sold 220 shirts with the ratio of short sleeve to long sleeve being 7:3. How many short sleeve shirts were sold?



2) A cable company had 260 subscribers. The ratio of regular subscribers to premium subscribers was 10:3. How many regular subscribers did they have?



3) At the fair the ratio of male to females was 3:9. If there are 360 people at the fair how many males are there?

male)	200
female					ل	> 360

4) During an local election the ratio of teens to adults who voted was 10:9. If 1,387 people voted how many were teens?

teens						<u> </u>
adults						\$ 1,387

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,440 shakes total with the ratio of chocolate to vanilla being 6:9. How many chocolate shakes did they sell?

chocolate						
vanilla						7 1,440

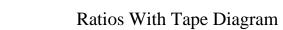
154

200

90

730

576



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Solve	each	problem	using	a	tape	diagram.
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1) A store had 576 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 5:7. How many diet sodas were there?

Answers

3.

4. _____

5.

3) In August, Haley's Clothing Store sold 540 shirts with the ratio of short sleeve to long sleeve being 3:9. How many short sleeve shirts were sold?

2) A cable company had 624 subscribers. The ratio of regular subscribers to premium

subscribers was 10:2. How many regular subscribers did they have?

4) During an local election the ratio of teens to adults who voted was 7:2. If 630 people voted how many were teens?

5) Jerry was looking at his streaming music stats. The ratio of songs he liked to disliked was 10:5. If he listened to 1,275 songs total how many did he like?

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Solve each problem using a tape diagram.

1) A store had 576 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 5:7. How many diet sodas were there?

diet regular

2) A cable company had 624 subscribers. The ratio of regular subscribers to premium subscribers was 10:2. How many regular subscribers did they have?

3) In August, Haley's Clothing Store sold 540 shirts with the ratio of short sleeve to long sleeve being 3:9. How many short sleeve shirts were sold?

short long 540

4) During an local election the ratio of teens to adults who voted was 7:2. If 630 people voted how many were teens?

teens adults 630

5) Jerry was looking at his streaming music stats. The ratio of songs he liked to disliked was 10:5. If he listened to 1,275 songs total how many did he like?

 240

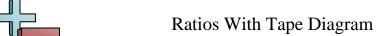
520

135

490

850

80 | 60 | 40 | 20 |



Solve each	problem	using	a tane	diagram.
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1) A cable company had 391 subscribers. The ratio of regular subscribers to premium subscribers was 9:8. How many regular subscribers did they have?

Answers

3) A store had 1,170 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:9. How many diet sodas were there?

2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was

7:3. If he listened to 220 songs total how many did he like?

4) During an local election the ratio of teens to adults who voted was 7:3. If 390 people voted how many were teens?

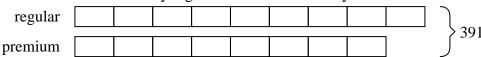
5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 512 shakes total with the ratio of chocolate to vanilla being 2:6. How many chocolate shakes did they sell?



Name:

Solve each problem using a tape diagram.

1) A cable company had 391 subscribers. The ratio of regular subscribers to premium subscribers was 9:8. How many regular subscribers did they have?



<u>Answers</u>

1. **207**

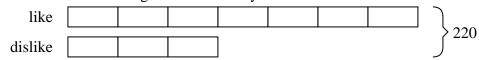
2 154

360

_{4.} **273**

5. **128**

2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was 7:3. If he listened to 220 songs total how many did he like?



3) A store had 1,170 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:9. How many diet sodas were there?

diet)	. 4 4 7 6
regular					ً ا	> 1,170

4) During an local election the ratio of teens to adults who voted was 7:3. If 390 people voted how many were teens?

teens					
adults				ر	> 390

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 512 shakes total with the ratio of chocolate to vanilla being 2:6. How many chocolate shakes did they sell?

chocolate				510
vanilla				7 512



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Solve	each	nrohlem	บร่าง ๑	tane	diagram.
BUILT	cacii	hi oniciii	using a	lape	uiagi aiii.

many males are there?

1) Cody was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:6. If he listened to 1,078 songs total how many did he like?

Answers

3.

4. _____

5.

3) A store had 592 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:6. How many diet sodas were there?

2) At the fair the ratio of male to females was 10:4. If there are 1,120 people at the fair how

4) During an local election the ratio of teens to adults who voted was 2:3. If 85 people voted how many were teens?

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 286 shakes total with the ratio of chocolate to vanilla being 3:10. How many chocolate shakes did they sell?

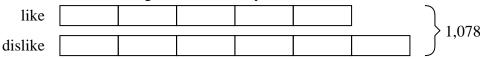
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Name:

Solve each problem using a tape diagram.

1) Cody was looking at his streaming music stats. The ratio of songs he liked to disliked was 5:6. If he listened to 1,078 songs total how many did he like?



2) At the fair the ratio of male to females was 10:4. If there are 1,120 people at the fair how many males are there?



3) A store had 592 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:6. How many diet sodas were there?

diet							500
regular						J	> 592

4) During an local election the ratio of teens to adults who voted was 2:3. If 85 people voted how many were teens?

teens)
adults		85

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 286 shakes total with the ratio of chocolate to vanilla being 3:10. How many chocolate shakes did they sell?

•						
chocolate						
						> 286
vanilla						

- 490
- **800**
- 3. **370**
- **34**
- _{5.} 66



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Solve	each	problem	using a	tane	diagram.
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1) During an local election the ratio of teens to adults who voted was 9:2. If 627 people voted how many were teens?

Answers

3

4. _____

5.

3) In August, Haley's Clothing Store sold 1,504 shirts with the ratio of short sleeve to long sleeve being 10:6. How many short sleeve shirts were sold?

2) A cable company had 187 subscribers. The ratio of regular subscribers to premium

subscribers was 10:7. How many regular subscribers did they have?

4) At the fair the ratio of male to females was 5:7. If there are 780 people at the fair how many males are there?

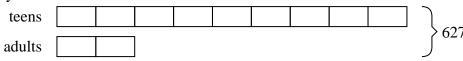
5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 784 shakes total with the ratio of chocolate to vanilla being 2:6. How many chocolate shakes did they sell?



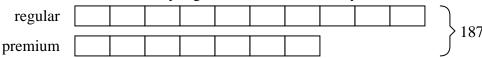
Name:

Solve each problem using a tape diagram.

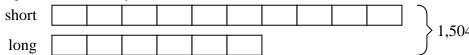
1) During an local election the ratio of teens to adults who voted was 9:2. If 627 people voted how many were teens?



2) A cable company had 187 subscribers. The ratio of regular subscribers to premium subscribers was 10:7. How many regular subscribers did they have?



3) In August, Haley's Clothing Store sold 1,504 shirts with the ratio of short sleeve to long sleeve being 10:6. How many short sleeve shirts were sold?



4) At the fair the ratio of male to females was 5:7. If there are 780 people at the fair how many males are there?

male)
female				780

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 784 shakes total with the ratio of chocolate to vanilla being 2:6. How many chocolate shakes did they sell?

chocolate				l
vanilla				> 784

- 513
- 2. **110**

940

- ₄ 325
- ₅ 196



6:4. If he listened to 120 songs total how many did he like?

Name:

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Solve each	nroblem	using	a tane	diagram.
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1) During an local election the ratio of teens to adults who voted was 4:8. If 288 people voted how many were teens?

Answers

2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was

3) A store had 405 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:7. How many diet sodas were there?

4) In August, Nancy's Clothing Store sold 728 shirts with the ratio of short sleeve to long sleeve being 4:10. How many short sleeve shirts were sold?

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,598 shakes total with the ratio of chocolate to vanilla being 9:8. How many chocolate shakes did they sell?



Name:

Solve each problem using a tape diagram.

1) During an local election the ratio of teens to adults who voted was 4:8. If 288 people voted how many were teens?



2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:4. If he listened to 120 songs total how many did he like?



3) A store had 405 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:7. How many diet sodas were there?

diet)	405
regular					J	> 405

4) In August, Nancy's Clothing Store sold 728 shirts with the ratio of short sleeve to long sleeve being 4:10. How many short sleeve shirts were sold?

short						\	700
long						}'	/28

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,598 shakes total with the ratio of chocolate to vanilla being 9:8. How many chocolate shakes did they sell?

•						
chocolate						1
						> 1,598
vanilla						-,000

96

216

208

846



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Solve	each	problem	using a	tape	diagram.
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voted how many were teens?

1) A store had 426 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:2. How many diet sodas were there?

Answers

2

3. _____

4. _____

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3) In August, Haley's Clothing Store sold 468 shirts with the ratio of short sleeve to long sleeve being 2:7. How many short sleeve shirts were sold?

2) During an local election the ratio of teens to adults who voted was 9:10. If 456 people

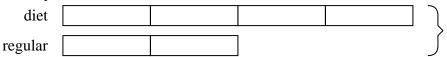
4) A cable company had 432 subscribers. The ratio of regular subscribers to premium subscribers was 5:4. How many regular subscribers did they have?

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 972 shakes total with the ratio of chocolate to vanilla being 5:7. How many chocolate shakes did they sell?



Solve each problem using a tape diagram.

1) A store had 426 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:2. How many diet sodas were there?



2) During an local election the ratio of teens to adults who voted was 9:10. If 456 people voted how many were teens?



3) In August, Haley's Clothing Store sold 468 shirts with the ratio of short sleeve to long sleeve being 2:7. How many short sleeve shirts were sold?

short)	4.60
long				J	> 468

4) A cable company had 432 subscribers. The ratio of regular subscribers to premium subscribers was 5:4. How many regular subscribers did they have?

regular				
premium			ر	> 432

5) Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 972 shakes total with the ratio of chocolate to vanilla being 5:7. How many chocolate shakes did they sell?

•		 	 _		_	
chocolate						
				-	_	> 972
vanilla						, , -

284

216

104

240

405



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- II	

Solve each	problem	using a	tane	diagram.
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1) A store had 1,288 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:4. How many diet sodas were there?

2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was

3:5. If he listened to 784 songs total how many did he like?

Answers

. _____

4. _____

5.

3) In August, Haley's Clothing Store sold 266 shirts with the ratio of short sleeve to long sleeve being 10:9. How many short sleeve shirts were sold?

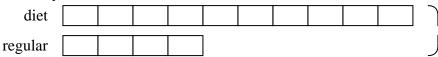
4) At the fair the ratio of male to females was 5:2. If there are 658 people at the fair how many males are there?

5) During an local election the ratio of teens to adults who voted was 10:8. If 1,764 people voted how many were teens?



Solve each problem using a tape diagram.

1) A store had 1,288 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 10:4. How many diet sodas were there?



<u>Answers</u>

1. **920**

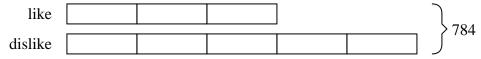
2 294

140

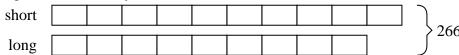
4. 470

980

2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was 3:5. If he listened to 784 songs total how many did he like?



3) In August, Haley's Clothing Store sold 266 shirts with the ratio of short sleeve to long sleeve being 10:9. How many short sleeve shirts were sold?



4) At the fair the ratio of male to females was 5:2. If there are 658 people at the fair how many males are there?

male				\ 65 0
female			ل	> 658

5) During an local election the ratio of teens to adults who voted was 10:8. If 1,764 people voted how many were teens?

•							
teens)	
					1	ì	> 1,764
adults						J	,



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- II	

Solve	each	problem	using a	a tane	diagram.
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1) A store had 210 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 5:2. How many diet sodas were there?

2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was

2:8. If he listened to 890 songs total how many did he like?

Answers

2

4. _____

5.

3) During an local election the ratio of teens to adults who voted was 5:10. If 945 people voted how many were teens?

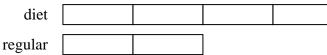
4) In August, Nancy's Clothing Store sold 266 shirts with the ratio of short sleeve to long sleeve being 4:10. How many short sleeve shirts were sold?

5) A cable company had 228 subscribers. The ratio of regular subscribers to premium subscribers was 9:3. How many regular subscribers did they have?



Solve each problem using a tape diagram.

1) A store had 210 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 5:2. How many diet sodas were there?



Answers

1. **150**

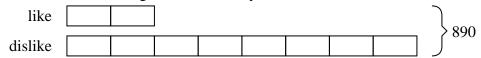
₂ 178

315

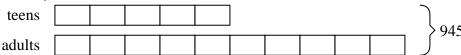
_{4.} _____**76**

_{5.} 171

2) Henry was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:8. If he listened to 890 songs total how many did he like?



3) During an local election the ratio of teens to adults who voted was 5:10. If 945 people voted how many were teens?



4) In August, Nancy's Clothing Store sold 266 shirts with the ratio of short sleeve to long sleeve being 4:10. How many short sleeve shirts were sold?

short							_
long						<i>f</i> 260	b

5) A cable company had 228 subscribers. The ratio of regular subscribers to premium subscribers was 9:3. How many regular subscribers did they have?

regular						220
premium						7 228