

| Solve | each  | problem | using a   | tape | diagram.     |
|-------|-------|---------|-----------|------|--------------|
|       | cucii | problem | ubiling u | upc  | arasi arrii. |

voted how many were teens?

1) A cable company had 485 subscribers. The ratio of regular subscribers to premium subscribers was 3:2. How many regular subscribers did they have?

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**Answers** 

2.

3.

4. \_\_\_\_\_

5.

3) At the fair the ratio of male to females was 4:9. If there are 325 people at the fair how many males are there?

2) During an local election the ratio of teens to adults who voted was 3:10. If 624 people

**4)** Oliver's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 182 shakes total with the ratio of chocolate to vanilla being 7:6. How many chocolate shakes did they sell?

5) In August, Amy's Clothing Store sold 405 shirts with the ratio of short sleeve to long sleeve being 6:3. How many short sleeve shirts were sold?



| Ratios With Tape Di |
|---------------------|

**Answer Key** Name:

| $\mathbf{A}$ | n | S | $\mathbf{w}$ | e | r | S |
|--------------|---|---|--------------|---|---|---|

**291** 

144

100

**98** 

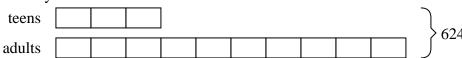
**270** 

| SOL | ve | eac | h pr | oble | em | usin | g a | tape | diag | ram |
|-----|----|-----|------|------|----|------|-----|------|------|-----|
|     |    |     |      |      |    |      |     |      |      |     |

1) A cable company had 485 subscribers. The ratio of regular subscribers to premium subscribers was 3:2. How many regular subscribers did they have?

regular premium

2) During an local election the ratio of teens to adults who voted was 3:10. If 624 people voted how many were teens?



3) At the fair the ratio of male to females was 4:9. If there are 325 people at the fair how many males are there?

| male   |  |  |  |  | ) | 225 |
|--------|--|--|--|--|---|-----|
| female |  |  |  |  | J | 323 |

4) Oliver's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 182 shakes total with the ratio of chocolate to vanilla being 7:6. How many chocolate shakes did they sell?

| chocolate |  |  |  | )   |
|-----------|--|--|--|-----|
| vanilla   |  |  |  | 182 |

5) In August, Amy's Clothing Store sold 405 shirts with the ratio of short sleeve to long sleeve being 6:3. How many short sleeve shirts were sold?

| short |  |  |  |   | 105   |
|-------|--|--|--|---|-------|
| long  |  |  |  | J | > 405 |