|      | Ratios With Tape Diagram Name:  |         |
|------|---|---------|
| Solv | e each problem using a tape diagram.  | Answers |
| Ex)  | A cable company had 756 subscribers. The ratio of regular subscribers to premium subscribers was 8:4. How many regular subscribers did they have?   | Ex. 504 |
|      |   | 1       |
|      |   | 2       |
| 1)   | Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 1,386 shakes total with the ratio of chocolate to vanilla being 5:9. How many chocolate shakes did they sell? | 3<br>4. |
|      |   | 5.      |
| 2)   | A store had 880 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 9:2. How many diet sodas were there?   |         |
|      | 2.2. How many diet bodub were more.   |         |
| 2)   | Descence la diverse de la distinction de la Theoretic of severe he libert (s. distinctions)   |         |
| 3)   | Roger was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:2. If he listened to 228 songs total how many did he like?  |         |
|      |   |         |
| 4)   | During an local election the ratio of teens to adults who voted was 5:8. If 741 people voted how many were teens?   |         |
|      |   |         |
| 5)   | At the fair the ratio of male to families was $7.9$ . If there are $0.20$ meanly at the fair have   |         |
| 5)   | At the fair the ratio of male to females was 7:8. If there are 930 people at the fair how many males are there?   |         |
|      |   |         |
|      |   |         |

Math

|      | Ratios With Tape Diagram Name: Ar  | iswer Key         |
|------|--|-------------------|
| Solv | e each problem using a tape diagram.   | Answers           |
| Ex)  | A cable company had 756 subscribers. The ratio of regular subscribers to premium subscribers was 8:4. How many regular subscribers did they have?        | Ex. 504           |
|      | regular 756  | 1. <b>495</b>     |
|      | premium  | 1                 |
|      |  | 2. <b>720</b>     |
| 1)   | Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold  | 3. <b>152</b>     |
|      | 1,386 shakes total with the ratio of chocolate to vanilla being 5:9. How many chocolate shakes did they sell?  | 4. <b>285</b>     |
|      | chocolate  | 4                 |
|      | vanilla 1,386  | 5. <b>434</b>     |
|      |  |                   |
| 2)   | A store had 880 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 9:2. How many diet sodas were there?<br>diet                  |                   |
| 3)   | Roger was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:2. If he listened to 228 songs total how many did he like? |                   |
|      | like   |                   |
|      | dislike 228  |                   |
|      |  |                   |
| 4)   | During an local election the ratio of teens to adults who voted was 5:8. If 741 people voted how many were teens?  |                   |
|      | teens  |                   |
|      | adults   |                   |
| 5)   | At the fair the ratio of male to females was 7:8. If there are 930 people at the fair how many males are there?<br>male                                  |                   |
|      | Math www.CommonCoreSheets.com 1  | 1-5 80 60 40 20 0 |

|      | Ratios With Tape Diagram         Name:   | 11  |                |
|------|--|-----|----------------|
| Solv | e each problem using a tape diagram.   |     | <u>Answers</u> |
| Ex)  | During an local election the ratio of teens to adults who voted was 10:5. If 1,290 people voted how many were teens?   | Ex. | 860            |
|      |  | 1.  |                |
|      |  | 2.  |                |
| 1)   | At the fair the ratio of male to females was 5:2. If there are 175 people at the fair how many males are there?  | 3.  |                |
|      |  | 4.  |                |
|      |  | 5.  |                |
| 2)   | In August, Lana's Clothing Store sold 1,209 shirts with the ratio of short sleeve to long sleeve being 5:8. How many short sleeve shirts were sold?  |     |                |
|      |  |     |                |
| 3)   | Mike's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 228 shakes total with the ratio of chocolate to vanilla being 8:4. How many chocolate shakes did they sell? |     |                |
|      |  |     |                |
| 4)   | A cable company had 208 subscribers. The ratio of regular subscribers to premium subscribers was 9:4. How many regular subscribers did they have?  |     |                |
|      |  |     |                |
| 5)   | A store had 216 sodas, both diet and regular. The ratio of diet sodas to regular sodas was   |     |                |
| 5)   | 2:6. How many diet sodas were there?   |     |                |
|      |  |     |                |
|      |  |     |                |

|     |  | iswer Key         |
|-----|--|-------------------|
|     | e each problem using a tape diagram.   | Answers           |
| Ex) | During an local election the ratio of teens to adults who voted was 10:5. If 1,290 people voted how many were teens?   | Ex. 860           |
|     | teens }1,290   | 1. <b>125</b>     |
|     | adults   | 1                 |
|     |  | 2. 465            |
| 1)  | At the fair the ratio of male to females was 5:2. If there are 175 people at the fair how many males are there?  | 3. <b>152</b>     |
|     | male   | 4144              |
|     | female $175$   | 54                |
|     |  | 5. <b>54</b>      |
| 2)  | In August, Lana's Clothing Store sold 1,209 shirts with the ratio of short sleeve to long sleeve being 5:8. How many short sleeve shirts were sold?<br>short                                   |                   |
| 3)  | Mike's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 228 shakes total with the ratio of chocolate to vanilla being 8:4. How many chocolate shakes did they sell? |                   |
|     | chocolate  |                   |
|     | vanilla  |                   |
| 4)  | A cable company had 208 subscribers. The ratio of regular subscribers to premium subscribers was 9:4. How many regular subscribers did they have?  |                   |
|     | regular  |                   |
|     | premium 208  |                   |
| 5)  | A store had 216 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:6. How many diet sodas were there?<br>diet  |                   |
|     |  |                   |
|     |  | 1-5 80 60 40 20 0 |

|      | Ratios With Tape Diagram Name:  |         |
|------|---|---------|
| Solv | e each problem using a tape diagram.  | Answers |
| Ex)  | A cable company had 663 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?           | Ex. 312 |
|      |   | 1       |
| 1)   | Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 714   | 2<br>3  |
|      | shakes total with the ratio of chocolate to vanilla being 10:7. How many chocolate shakes did they sell?  | 4       |
|      |   | 5       |
| 2)   | Oliver was looking at his streaming music stats. The ratio of songs he liked to disliked was 7:6. If he listened to 1,079 songs total how many did he like? |         |
| 3)   | During an local election the ratio of teens to adults who voted was 3:6. If 828 people voted how many were teens?   |         |
| 4)   | At the fair the ratio of male to females was 8:10. If there are 324 people at the fair how many males are there?  |         |
| 5)   | In August, Carol's Clothing Store sold 585 shirts with the ratio of short sleeve to long sleeve being 3:6. How many short sleeve shirts were sold?          |         |
|      |   |         |

|      | Ratios With Tape Diagram Name: A  | nswer Key  |
|------|---|--|
| Solv | e each problem using a tape diagram.  | Answers  |
| Ex)  | A cable company had 663 subscribers. The ratio of regular subscribers to premium subscribers was 8:9. How many regular subscribers did they have?<br>regular regular because regu | Ex. <u>312</u><br>1. <u>420</u><br>2. <u>581</u>       |
| 1)   | Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 714 shakes total with the ratio of chocolate to vanilla being 10:7. How many chocolate shakes did they sell?  | 3.       276         4.       144         5.       195 |
| 2)   | Oliver was looking at his streaming music stats. The ratio of songs he liked to disliked was 7:6. If he listened to 1,079 songs total how many did he like?<br>like   |  |
| 3)   | During an local election the ratio of teens to adults who voted was 3:6. If 828 people voted how many were teens?<br>teens  |  |
| 4)   | At the fair the ratio of male to females was 8:10. If there are 324 people at the fair how many males are there?<br>male  |  |
| 5)   | In August, Carol's Clothing Store sold 585 shirts with the ratio of short sleeve to long sleeve being 3:6. How many short sleeve shirts were sold?<br>short   | 1-5 80 60 40 20 0                                      |
|      | Math www.CommonCoreSheets.com 3   |  |

|      | Ratios With Tape Diagram Name:  |         |
|------|---|---------|
| Solv | e each problem using a tape diagram.  | Answers |
| Ex)  | At the fair the ratio of male to females was 8:10. If there are 774 people at the fair how many males are there?  | Ex. 344 |
|      |   | 1       |
|      |   | 2       |
| 1)   | During an local election the ratio of teens to adults who voted was 3:4. If 322 people voted how many were teens?   | 3       |
|      |   | 5.      |
| 2)   | Cody's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 924 shakes total with the ratio of chocolate to vanilla being 5:6. How many chocolate shakes |         |
|      | did they sell?  |         |
|      |   |         |
| 3)   | A cable company had 585 subscribers. The ratio of regular subscribers to premium subscribers was 7:2. How many regular subscribers did they have?                               |         |
|      |   |         |
| 4)   | A store had 732 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:10. How many diet sodas were there?  |         |
|      |   |         |
|      |   |         |
| 5)   | Adam was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:7. If he listened to 780 songs total how many did he like?                         |         |
|      |   |         |
|      |   |         |

|      | Ratios With Tape Diagram Name: Ar   | nswer K   | ey      |
|------|---|-----------|---------|
| Solv | e each problem using a tape diagram.  |           | swers   |
| Ex)  | At the fair the ratio of male to females was 8:10. If there are 774 people at the fair how many males are there?  | Ex3       | 344     |
|      | male 774  |           | 38      |
|      | female  | 1         |         |
|      |   | 24        | 20      |
| 1)   | During an local election the ratio of teens to adults who voted was 3:4. If 322 people voted how many were teens?   | 34        | 155     |
|      | teens   | 41        | 22      |
|      | adults 322  |           |         |
|      |   | 5         | 860     |
| 3)   | shakes total with the ratio of chocolate to vanilla being 5:6. How many chocolate shakes did they sell?         chocolate                                       |           |         |
|      | subscribers was 7:2. How many regular subscribers did they have?<br>regular   |           |         |
|      | premium 585   |           |         |
| 4)   | A store had 732 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:10. How many diet sodas were there?<br>diet                        |           |         |
| 5)   | Adam was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:7. If he listened to 780 songs total how many did he like?<br>like |           |         |
|      | Math 4  | 1-5 80 60 | 40 20 0 |

|     | Ratios With Tape DiagramName:e each problem using a tape diagram.  | A namona                         |
|-----|--|----------------------------------|
| Ex) | Edward was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:8. If he listened to 520 songs total how many did he like?                                      | <u>Answers</u><br>Ex. <u>104</u> |
| 1)  | Adam's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 385 shakes total with the ratio of chocolate to vanilla being 7:4. How many chocolate shakes did they sell? | 1.                               |
| 2)  | A cable company had 610 subscribers. The ratio of regular subscribers to premium subscribers was 7:3. How many regular subscribers did they have?  | 5                                |
| 3)  | In August, Vanessa's Clothing Store sold 330 shirts with the ratio of short sleeve to long sleeve being 6:5. How many short sleeve shirts were sold?   |                                  |
| 4)  | At the fair the ratio of male to females was 2:6. If there are 248 people at the fair how many males are there?  |                                  |
| 5)  | During an local election the ratio of teens to adults who voted was 6:8. If 420 people voted how many were teens?  |                                  |
|     | Math www.CommonCoreSheets.com 5  | 1-5 80 60 40 20 0                |

|          | Ratios With Tape Diagram Name: A  | nswer Key         |
|----------|---|-------------------|
| Solv     | e each problem using a tape diagram.  | Answers           |
| Ex)      | Edward was looking at his streaming music stats. The ratio of songs he liked to disliked was 2:8. If he listened to 520 songs total how many did he like?                       | Ex. 104           |
|          | dislike 520   | ı. <b>245</b>     |
|          |   | 2. 427            |
| 1)       | Adam's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 385 shakes total with the ratio of chocolate to vanilla being 7:4. How many chocolate shakes | 3. <b>180</b>     |
|          | did they sell?  | 4. <b>62</b>      |
|          | chocolate 385   | 100               |
|          | vanilla   | 5. <b>180</b>     |
| 2)<br>3) | A cable company had 610 subscribers. The ratio of regular subscribers to premium subscribers was 7:3. How many regular subscribers did they have?<br>regular                    |                   |
| 4)       | At the fair the ratio of male to females was 2:6. If there are 248 people at the fair how   |                   |
|          | many males are there?   |                   |
|          | male 248  |                   |
| 5)       | female  |                   |
|          |   | 1-5 80 60 40 20 0 |
|          | Math www.CommonCoreSheets.com 5   |                   |

|      | Ratios With Tape Diagram Name:  |                |
|------|---|----------------|
| Solv | e each problem using a tape diagram.  | Answers        |
| Ex)  | During an local election the ratio of teens to adults who voted was 3:4. If 308 people voted how many were teens?                                       | Ex. <u>132</u> |
|      |   | 1.       2.    |
| 1)   | Dave was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:5. If he listened to 528 songs total how many did he like? | 3.       4.    |
| 2)   | A cable company had 418 subscribers. The ratio of regular subscribers to premium  | 5              |
| _,   | subscribers was 10:9. How many regular subscribers did they have?   |                |
| 3)   | At the fair the ratio of male to females was 2:5. If there are 301 people at the fair how many males are there?   |                |
| 4)   | In August, Sarah's Clothing Store sold 400 shirts with the ratio of short sleeve to long sleeve being 7:9. How many short sleeve shirts were sold?      |                |
| 5)   | A store had 253 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:3. How many diet sodas were there?                         |                |

|      | Ratios With Tape Diagram Name: Ar   | iswer Key                       |
|------|---|---------------------------------|
| Solv | e each problem using a tape diagram.  | Answers                         |
| Ex)  | During an local election the ratio of teens to adults who voted was 3:4. If 308 people voted how many were teens?<br>teens                                    | Ex. <u>132</u><br>1. <u>288</u> |
|      |   | 220                             |
| 1)   | Dave was looking at his streaming music stats. The ratio of songs he liked to disliked was 6:5. If he listened to 528 songs total how many did he like?       | 2. <b>220</b><br>3. <b>86</b>   |
|      |   | 4. <b>175</b>                   |
|      | dislike 528   | 5. <b>184</b>                   |
| 2)   | A cable company had 418 subscribers. The ratio of regular subscribers to premium subscribers was 10:9. How many regular subscribers did they have?<br>regular |                                 |
| 3)   | At the fair the ratio of male to females was 2:5. If there are 301 people at the fair how   |                                 |
|      | many males are there?<br>male   |                                 |
| 4)   | In August, Sarah's Clothing Store sold 400 shirts with the ratio of short sleeve to long sleeve being 7:9. How many short sleeve shirts were sold?<br>short   |                                 |
| 5)   | A store had 253 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 8:3. How many diet sodas were there?<br>diet                       |                                 |
|      | Math www.CommonCoreSheets.com 6   | 1-5 80 60 40 20 0               |

|      | Ratios With Tape Diagram Name:   |                |
|------|--|----------------|
| Solv | e each problem using a tape diagram.   | Answers        |
| Ex)  | At the fair the ratio of male to females was 4:9. If there are 533 people at the fair how many males are there?  | Ex. <u>164</u> |
|      |  | 1.             |
| 1)   | A cable company had 261 subscribers. The ratio of regular subscribers to premium subscribers was 6:3. How many regular subscribers did they have?  | 3.        4.   |
| 2)   | During an local election the ratio of teens to adults who voted was 8:9. If 1,122 people   | 5              |
|      | voted how many were teens?   |                |
| 3)   | In August, Lana's Clothing Store sold 1,008 shirts with the ratio of short sleeve to long sleeve being 6:10. How many short sleeve shirts were sold?   |                |
| 4)   | Edward's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 645 shakes total with the ratio of chocolate to vanilla being 8:7. How many chocolate shakes did they sell? |                |
| 5)   | A store had 285 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:3. How many diet sodas were there?  |                |

|       | Ratios With Tape Diagram Name: A  | nswer Key   |
|-------|---|---|
| Solve | e each problem using a tape diagram.  | Answers   |
| Ex)   | At the fair the ratio of male to females was 4:9. If there are 533 people at the fair how many males are there?   | Ex. <u>164</u>  |
|       | female 533  | 1.     174       2.     528                               |
| 1)    | A cable company had 261 subscribers. The ratio of regular subscribers to premium subscribers was 6:3. How many regular subscribers did they have?   | 3.     378       4.     344                               |
|       |   | 5. <u>114</u>   |
| 2)    | During an local election the ratio of teens to adults who voted was 8:9. If 1,122 people voted how many were teens?   |   |
|       | teens   |   |
|       | adults $1,122$  |   |
| 3)    | In August, Lana's Clothing Store sold 1,008 shirts with the ratio of short sleeve to long sleeve being 6:10. How many short sleeve shirts were sold?<br>short   |   |
| 4)    | Edward's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold<br>645 shakes total with the ratio of chocolate to vanilla being 8:7. How many chocolate<br>shakes did they sell?<br>chocolate |   |
| 5)    | A store had 285 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:3. How many diet sodas were there?<br>diet   |   |
|       | Math www.CommonCoreSheets.com 7   | 1-5         80         60         40         20         0 |

|     | Ratios With Tape DiagramName:e each problem using a tape diagram.  |     |          |          |      |
|-----|--|-----|----------|----------|------|
|     |  |     | <u>F</u> | nsw      |      |
| Ex) | Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 627 songs total how many did he like?                        | Ex  |          | 228      |      |
|     |  | 1.  |          |          |      |
|     |  | 2.  |          |          |      |
| 1)  | In August, Bianca's Clothing Store sold 663 shirts with the ratio of short sleeve to long  | 3.  |          |          |      |
| -)  | sleeve being 10:3. How many short sleeve shirts were sold?   |     |          |          |      |
|     |  | 4.  |          |          |      |
|     |  | 5.  |          |          |      |
| 2)  | A cable company had 160 subscribers. The ratio of regular subscribers to premium   |     |          |          |      |
|     | subscribers was 4:6. How many regular subscribers did they have?   |     |          |          |      |
|     |  |     |          |          |      |
|     |  |     |          |          |      |
| 3)  | Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 570 shakes total with the ratio of chocolate to vanilla being 7:8. How many chocolate shakes |     |          |          |      |
|     | did they sell?   |     |          |          |      |
|     |  |     |          |          |      |
|     |  |     |          |          |      |
| 4)  | A store had 1,080 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 7:5. How many diet sodas were there?  |     |          |          |      |
|     |  |     |          |          |      |
|     |  |     |          |          |      |
| 5)  | During an local election the ratio of teens to adults who voted was 4:5. If 234 people   |     |          |          |      |
| -,  | voted how many were teens?   |     |          |          |      |
|     |  |     |          |          |      |
|     |  |     |          |          |      |
|     | Math 0   | 1-5 | 80       | 60 40    | 20 0 |
|     | Math www.CommonCoreSheets.com 8  |     |          | <b>I</b> |      |

|      | Ratios With Tape Diagram Name: Ar   | ıswer Key         |
|------|---|-------------------|
| Solv | e each problem using a tape diagram.  | Answers           |
| Ex)  | Victor was looking at his streaming music stats. The ratio of songs he liked to disliked was 4:7. If he listened to 627 songs total how many did he like?   | Ex. 228           |
|      | like dislike 627  | 1. <b>510</b>     |
|      |   | 2. <u>64</u>      |
| 1)   | In August, Bianca's Clothing Store sold 663 shirts with the ratio of short sleeve to long sleeve being 10:3. How many short sleeve shirts were sold?  | 3. <b>266</b>     |
|      | short | 4. 630            |
|      | long  | 5. <b>104</b>     |
| 2)   | A cable company had 160 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?<br>regular  |                   |
| 3)   | Frank's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 570 shakes total with the ratio of chocolate to vanilla being 7:8. How many chocolate shakes did they sell?   |                   |
|      | chocolate 570   |                   |
|      | vanilla   |                   |
| 4)   | A store had 1,080 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 7:5. How many diet sodas were there?<br>diet   |                   |
| 5)   | During an local election the ratio of teens to adults who voted was 4:5. If 234 people voted how many were teens?   |                   |
|      | teens 234   |                   |
|      | adults  |                   |
|      |   |                   |
|      | Math www.CommonCoreSheets.com 8   | 1-5 80 60 40 20 0 |

|     | Patios With Tapa Diagram  |            |             |
|-----|---|------------|-------------|
|     | Ratios With Tape DiagramName:e each problem using a tape diagram.   | <b>A</b> - |             |
| Ex) | In August, Vanessa's Clothing Store sold 870 shirts with the ratio of short sleeve to long sleeve being 10:5. How many short sleeve shirts were sold?   | Ex         | <u>1580</u> |
|     |   | 1          |             |
| 1)  | A store had 552 sodas, both diet and regular. The ratio of diet sodas to regular sodas was  | 2          |             |
| ,   | 2:4. How many diet sodas were there?  | 4.         |             |
|     |   | 5          |             |
| 2)  | At the fair the ratio of male to females was 9:4. If there are 689 people at the fair how many males are there?   |            |             |
| 3)  | A cable company had 90 subscribers. The ratio of regular subscribers to premium subscribers was 7:2. How many regular subscribers did they have?  |            |             |
| 4)  | During an local election the ratio of teens to adults who voted was 9:7. If 1,040 people voted how many were teens?   |            |             |
| 5)  | Jerry's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 336 shakes total with the ratio of chocolate to vanilla being 4:2. How many chocolate shakes did they sell? |            |             |

|          | Ratios With Tape Diagram Name: A  | nswer Key  |
|----------|---|--|
| Solv     | e each problem using a tape diagram.  | Answers  |
| Ex)      | In August, Vanessa's Clothing Store sold 870 shirts with the ratio of short sleeve to long sleeve being 10:5. How many short sleeve shirts were sold? short long 870        | Ex. <u>580</u><br>1. <u>184</u>  |
| 1)       | A store had 552 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 2:4. How many diet sodas were there?<br>diet                                     | 2.       477         3.       70         4.       585         5.       224 |
| 2)       | At the fair the ratio of male to females was 9:4. If there are 689 people at the fair how many males are there?<br>male   |  |
| 3)       | A cable company had 90 subscribers. The ratio of regular subscribers to premium subscribers was 7:2. How many regular subscribers did they have? regular regular premium 90 |  |
| 4)<br>5) | During an local election the ratio of teens to adults who voted was 9:7. If 1,040 people voted how many were teens?         teens   |  |
|          | did they sell?<br>chocolate 336<br>vanilla 336  | 1-5 80 60 40 20 0  |
|          | Math www.CommonCoreSheets.com 9   |  |

|      | Ratios With Tape Diagram Name:   |         |
|------|--|---------|
| Solv | e each problem using a tape diagram.   | Answers |
| Ex)  | A store had 180 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:6. How many diet sodas were there?  | Ex. 72  |
|      |  | 1       |
|      |  | 2       |
| 1)   | During an local election the ratio of teens to adults who voted was 9:4. If 1,131 people voted how many were teens?  | 3       |
|      |  | 4       |
|      |  | 5       |
| 2)   | Cody's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 357 shakes total with the ratio of chocolate to vanilla being 5:2. How many chocolate shakes did they sell? |         |
| 3)   | At the fair the ratio of male to females was 7:3. If there are 340 people at the fair how many males are there?  |         |
| 4)   | A cable company had 870 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?  |         |
| 5)   | In August, Gwen's Clothing Store sold 1,125 shirts with the ratio of short sleeve to long sleeve being 5:10. How many short sleeve shirts were sold?   |         |
|      |  |         |

|      | Ratios With Tape Diagram Name: A   | nswer Key         |
|------|--|-------------------|
| Solv | e each problem using a tape diagram.   | Answers           |
| Ex)  | A store had 180 sodas, both diet and regular. The ratio of diet sodas to regular sodas was 4:6. How many diet sodas were there?  | Ex72              |
|      | diet 180   | 1. <b>783</b>     |
|      |  | 2255              |
| 1)   | During an local election the ratio of teens to adults who voted was 9:4. If 1,131 people voted how many were teens?  | 3. <b>238</b>     |
|      | teens  | 4. <b>348</b>     |
|      | adults   | 5. <b>375</b>     |
| 2)   | Cody's Ice Cream Hut had Chocolate or Vanilla shakes. On the 4th of July they sold 357 shakes total with the ratio of chocolate to vanilla being 5:2. How many chocolate shakes did they sell? |                   |
|      | chocolate   vanilla   357  |                   |
| 3)   | At the fair the ratio of male to females was 7:3. If there are 340 people at the fair how many males are there?  |                   |
|      | male male female 340   |                   |
| 4)   | A cable company had 870 subscribers. The ratio of regular subscribers to premium subscribers was 4:6. How many regular subscribers did they have?  |                   |
|      | premium 870  |                   |
| 5)   | In August, Gwen's Clothing Store sold 1,125 shirts with the ratio of short sleeve to long sleeve being 5:10. How many short sleeve shirts were sold?   |                   |
|      | long   |                   |
|      | Math 10  | 1-5 80 60 40 20 0 |