



Find the ratio and unit rate for each problem.

**Answers**

	Ratio	Rate	
Ex) 130 dollars for mowing 5 lawns	<u>130:5</u>	<u>26</u>	dollars per lawn
1) 9 bags with 342 cans	_____	_____	cans per bag
2) 38 people bought 152 tickets	_____	_____	tickets per person
3) 2 hours of TV had 40 commercials	_____	_____	commercials per hour
4) 84 customers over 6 days	_____	_____	customers per day
5) 5 cell phone covers for 30 dollars	_____	_____	dollars per cover
6) 5 boxes can hold 50 books	_____	_____	books per box
7) 255 points for defeating 85 enemies	_____	_____	points per enemy
8) 8 hours to drive 456 miles	_____	_____	miles per hour
9) 80 customers in 8 checkout lanes	_____	_____	customers per lane
10) 35 copies in 7 minutes	_____	_____	copies per minute
11) 3 tanks with 234 fish	_____	_____	fish per tank
12) 8 game controllers had 48 buttons	_____	_____	buttons per controller
13) 4 chocolate bars for \$8	_____	_____	dollars per bar
14) 7 movie tickets cost \$70	_____	_____	dollars per ticket
15) 182 cherry pieces in 7 bags of candy	_____	_____	pieces per bag

Ex.	<u>130:5</u>	<u>26</u>
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____
11.	_____	_____
12.	_____	_____
13.	_____	_____
14.	_____	_____
15.	_____	_____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 130 dollars for mowing 5 lawns	<u>130:5</u>	<u>26</u> dollars per lawn
1) 9 bags with 342 cans	<u>342:9</u>	<u>38</u> cans per bag
2) 38 people bought 152 tickets	<u>152:38</u>	<u>4</u> tickets per person
3) 2 hours of TV had 40 commercials	<u>40:2</u>	<u>20</u> commercials per hour
4) 84 customers over 6 days	<u>84:6</u>	<u>14</u> customers per day
5) 5 cell phone covers for 30 dollars	<u>30:5</u>	<u>6</u> dollars per cover
6) 5 boxes can hold 50 books	<u>50:5</u>	<u>10</u> books per box
7) 255 points for defeating 85 enemies	<u>255:85</u>	<u>3</u> points per enemy
8) 8 hours to drive 456 miles	<u>456:8</u>	<u>57</u> miles per hour
9) 80 customers in 8 checkout lanes	<u>80:8</u>	<u>10</u> customers per lane
10) 35 copies in 7 minutes	<u>35:7</u>	<u>5</u> copies per minute
11) 3 tanks with 234 fish	<u>234:3</u>	<u>78</u> fish per tank
12) 8 game controllers had 48 buttons	<u>48:8</u>	<u>6</u> buttons per controller
13) 4 chocolate bars for \$8	<u>8:4</u>	<u>2</u> dollars per bar
14) 7 movie tickets cost \$70	<u>70:7</u>	<u>10</u> dollars per ticket
15) 182 cherry pieces in 7 bags of candy	<u>182:7</u>	<u>26</u> pieces per bag

Answers

Ex.	<u>130:5</u>	<u>26</u>
1.	<u>342:9</u>	<u>38</u>
2.	<u>152:38</u>	<u>4</u>
3.	<u>40:2</u>	<u>20</u>
4.	<u>84:6</u>	<u>14</u>
5.	<u>30:5</u>	<u>6</u>
6.	<u>50:5</u>	<u>10</u>
7.	<u>255:85</u>	<u>3</u>
8.	<u>456:8</u>	<u>57</u>
9.	<u>80:8</u>	<u>10</u>
10.	<u>35:7</u>	<u>5</u>
11.	<u>234:3</u>	<u>78</u>
12.	<u>48:8</u>	<u>6</u>
13.	<u>8:4</u>	<u>2</u>
14.	<u>70:7</u>	<u>10</u>
15.	<u>182:7</u>	<u>26</u>



Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 6 pies eaten in 2 minutes	<u>6:2</u>	<u>3</u> pies per minute	Ex. <u>6:2</u> <u>3</u>
1) 54 pints of juice in 3 containers	_____	_____ pints per container	1. _____
2) 7 classrooms with 161 students	_____	_____ students per class	2. _____
3) 2 game controllers had 26 buttons	_____	_____ buttons per controller	3. _____
4) 17 people bought 119 tickets	_____	_____ tickets per person	4. _____
5) 110 dollars for mowing 10 lawns	_____	_____ dollars per lawn	5. _____
6) 9 trays with 81 ice cubes	_____	_____ ice cubes per tray	6. _____
7) 8 bags with 136 cans	_____	_____ cans per bag	7. _____
8) 4 students earned 52 dollars total	_____	_____ dollars per student	8. _____
9) 40 customers in 4 checkout lanes	_____	_____ customers per lane	9. _____
10) 5 hours of TV had 75 commercials	_____	_____ commercials per hour	10. _____
11) 73 shirts for 584 dollars	_____	_____ dollars per shirt	11. _____
12) 5 boxes can hold 20 books	_____	_____ books per box	12. _____
13) 128 cherry pieces in 4 bags of candy	_____	_____ pieces per bag	13. _____
14) 2 tanks with 132 fish	_____	_____ fish per tank	14. _____
15) 75 customers over 3 days	_____	_____ customers per day	15. _____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 6 pies eaten in 2 minutes	<u>6:2</u>	<u>3</u> pies per minute
1) 54 pints of juice in 3 containers	<u>54:3</u>	<u>18</u> pints per container
2) 7 classrooms with 161 students	<u>161:7</u>	<u>23</u> students per class
3) 2 game controllers had 26 buttons	<u>26:2</u>	<u>13</u> buttons per controller
4) 17 people bought 119 tickets	<u>119:17</u>	<u>7</u> tickets per person
5) 110 dollars for mowing 10 lawns	<u>110:10</u>	<u>11</u> dollars per lawn
6) 9 trays with 81 ice cubes	<u>81:9</u>	<u>9</u> ice cubes per tray
7) 8 bags with 136 cans	<u>136:8</u>	<u>17</u> cans per bag
8) 4 students earned 52 dollars total	<u>52:4</u>	<u>13</u> dollars per student
9) 40 customers in 4 checkout lanes	<u>40:4</u>	<u>10</u> customers per lane
10) 5 hours of TV had 75 commercials	<u>75:5</u>	<u>15</u> commercials per hour
11) 73 shirts for 584 dollars	<u>584:73</u>	<u>8</u> dollars per shirt
12) 5 boxes can hold 20 books	<u>20:5</u>	<u>4</u> books per box
13) 128 cherry pieces in 4 bags of candy	<u>128:4</u>	<u>32</u> pieces per bag
14) 2 tanks with 132 fish	<u>132:2</u>	<u>66</u> fish per tank
15) 75 customers over 3 days	<u>75:3</u>	<u>25</u> customers per day

Answers

Ex.	<u>6:2</u>	<u>3</u>
1.	<u>54:3</u>	<u>18</u>
2.	<u>161:7</u>	<u>23</u>
3.	<u>26:2</u>	<u>13</u>
4.	<u>119:17</u>	<u>7</u>
5.	<u>110:10</u>	<u>11</u>
6.	<u>81:9</u>	<u>9</u>
7.	<u>136:8</u>	<u>17</u>
8.	<u>52:4</u>	<u>13</u>
9.	<u>40:4</u>	<u>10</u>
10.	<u>75:5</u>	<u>15</u>
11.	<u>584:73</u>	<u>8</u>
12.	<u>20:5</u>	<u>4</u>
13.	<u>128:4</u>	<u>32</u>
14.	<u>132:2</u>	<u>66</u>
15.	<u>75:3</u>	<u>25</u>



Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 4 minutes to type 328 words	<u>328:4</u>	<u>82</u> words per minute	Ex. <u>328:4</u> <u>82</u>
1) 44 CDs with 440 songs	_____	_____ songs per CD	1. _____
2) 140 cherry pieces in 5 bags of candy	_____	_____ pieces per bag	2. _____
3) 30 customers in 6 checkout lanes	_____	_____ customers per lane	3. _____
4) 10 classrooms with 290 students	_____	_____ students per class	4. _____
5) 7 bags with 161 cans	_____	_____ cans per bag	5. _____
6) 18 people bought 324 tickets	_____	_____ tickets per person	6. _____
7) 90 customers over 5 days	_____	_____ customers per day	7. _____
8) 4 movie tickets cost \$80	_____	_____ dollars per ticket	8. _____
9) 3 trays with 15 ice cubes	_____	_____ ice cubes per tray	9. _____
10) 6 game controllers had 24 buttons	_____	_____ buttons per controller	10. _____
11) 67 shirts for 335 dollars	_____	_____ dollars per shirt	11. _____
12) 14 pies eaten in 2 minutes	_____	_____ pies per minute	12. _____
13) 8 students earned 80 dollars total	_____	_____ dollars per student	13. _____
14) 180 points for defeating 45 enemies	_____	_____ points per enemy	14. _____
15) 7 boxes can hold 70 books	_____	_____ books per box	15. _____



Find the ratio and unit rate for each problem.

	Ratio	Rate	
Ex) 4 minutes to type 328 words	<u>328:4</u>	<u>82</u>	words per minute
1) 44 CDs with 440 songs	<u>440:44</u>	<u>10</u>	songs per CD
2) 140 cherry pieces in 5 bags of candy	<u>140:5</u>	<u>28</u>	pieces per bag
3) 30 customers in 6 checkout lanes	<u>30:6</u>	<u>5</u>	customers per lane
4) 10 classrooms with 290 students	<u>290:10</u>	<u>29</u>	students per class
5) 7 bags with 161 cans	<u>161:7</u>	<u>23</u>	cans per bag
6) 18 people bought 324 tickets	<u>324:18</u>	<u>18</u>	tickets per person
7) 90 customers over 5 days	<u>90:5</u>	<u>18</u>	customers per day
8) 4 movie tickets cost \$80	<u>80:4</u>	<u>20</u>	dollars per ticket
9) 3 trays with 15 ice cubes	<u>15:3</u>	<u>5</u>	ice cubes per tray
10) 6 game controllers had 24 buttons	<u>24:6</u>	<u>4</u>	buttons per controller
11) 67 shirts for 335 dollars	<u>335:67</u>	<u>5</u>	dollars per shirt
12) 14 pies eaten in 2 minutes	<u>14:2</u>	<u>7</u>	pies per minute
13) 8 students earned 80 dollars total	<u>80:8</u>	<u>10</u>	dollars per student
14) 180 points for defeating 45 enemies	<u>180:45</u>	<u>4</u>	points per enemy
15) 7 boxes can hold 70 books	<u>70:7</u>	<u>10</u>	books per box

Answers

Ex.	<u>328:4</u>	<u>82</u>
1.	<u>440:44</u>	<u>10</u>
2.	<u>140:5</u>	<u>28</u>
3.	<u>30:6</u>	<u>5</u>
4.	<u>290:10</u>	<u>29</u>
5.	<u>161:7</u>	<u>23</u>
6.	<u>324:18</u>	<u>18</u>
7.	<u>90:5</u>	<u>18</u>
8.	<u>80:4</u>	<u>20</u>
9.	<u>15:3</u>	<u>5</u>
10.	<u>24:6</u>	<u>4</u>
11.	<u>335:67</u>	<u>5</u>
12.	<u>14:2</u>	<u>7</u>
13.	<u>80:8</u>	<u>10</u>
14.	<u>180:45</u>	<u>4</u>
15.	<u>70:7</u>	<u>10</u>



Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 22 shirts for 154 dollars	<u>154:22</u>	<u>7</u> dollars per shirt	Ex. <u>154:22</u> <u>7</u>
1) 4 game controllers had 48 buttons	_____	_____ buttons per controller	1. _____
2) 4 classrooms with 96 students	_____	_____ students per class	2. _____
3) 8 students earned 72 dollars total	_____	_____ dollars per student	3. _____
4) 10 cell phone covers for 70 dollars	_____	_____ dollars per cover	4. _____
5) 8 pies eaten in 2 minutes	_____	_____ pies per minute	5. _____
6) 27 people bought 459 tickets	_____	_____ tickets per person	6. _____
7) 200 centimeters of snow in 10 hours	_____	_____ centimeters per hour	7. _____
8) 4 tanks with 292 fish	_____	_____ fish per tank	8. _____
9) 12 pints of juice in 3 containers	_____	_____ pints per container	9. _____
10) 6 chocolate bars for \$18	_____	_____ dollars per bar	10. _____
11) 8 hours to drive 448 miles	_____	_____ miles per hour	11. _____
12) 20 copies in 4 minutes	_____	_____ copies per minute	12. _____
13) 171 dollars for mowing 9 lawns	_____	_____ dollars per lawn	13. _____
14) 7 minutes to type 805 words	_____	_____ words per minute	14. _____
15) 49 brownies took 147 cups of fudge	_____	_____ cups per brownie	15. _____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 22 shirts for 154 dollars	<u>154:22</u>	<u>7</u> dollars per shirt
1) 4 game controllers had 48 buttons	<u>48:4</u>	<u>12</u> buttons per controller
2) 4 classrooms with 96 students	<u>96:4</u>	<u>24</u> students per class
3) 8 students earned 72 dollars total	<u>72:8</u>	<u>9</u> dollars per student
4) 10 cell phone covers for 70 dollars	<u>70:10</u>	<u>7</u> dollars per cover
5) 8 pies eaten in 2 minutes	<u>8:2</u>	<u>4</u> pies per minute
6) 27 people bought 459 tickets	<u>459:27</u>	<u>17</u> tickets per person
7) 200 centimeters of snow in 10 hours	<u>200:10</u>	<u>20</u> centimeters per hour
8) 4 tanks with 292 fish	<u>292:4</u>	<u>73</u> fish per tank
9) 12 pints of juice in 3 containers	<u>12:3</u>	<u>4</u> pints per container
10) 6 chocolate bars for \$18	<u>18:6</u>	<u>3</u> dollars per bar
11) 8 hours to drive 448 miles	<u>448:8</u>	<u>56</u> miles per hour
12) 20 copies in 4 minutes	<u>20:4</u>	<u>5</u> copies per minute
13) 171 dollars for mowing 9 lawns	<u>171:9</u>	<u>19</u> dollars per lawn
14) 7 minutes to type 805 words	<u>805:7</u>	<u>115</u> words per minute
15) 49 brownies took 147 cups of fudge	<u>147:49</u>	<u>3</u> cups per brownie

Answers

Ex.	<u>154:22</u>	<u>7</u>
1.	<u>48:4</u>	<u>12</u>
2.	<u>96:4</u>	<u>24</u>
3.	<u>72:8</u>	<u>9</u>
4.	<u>70:10</u>	<u>7</u>
5.	<u>8:2</u>	<u>4</u>
6.	<u>459:27</u>	<u>17</u>
7.	<u>200:10</u>	<u>20</u>
8.	<u>292:4</u>	<u>73</u>
9.	<u>12:3</u>	<u>4</u>
10.	<u>18:6</u>	<u>3</u>
11.	<u>448:8</u>	<u>56</u>
12.	<u>20:4</u>	<u>5</u>
13.	<u>171:9</u>	<u>19</u>
14.	<u>805:7</u>	<u>115</u>
15.	<u>147:49</u>	<u>3</u>





Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate
Ex) 69 brownies took 138 cups of fudge	<u>138:69</u>	<u>2</u> cups per brownie
1) 90 dollars for mowing 6 lawns	_____	_____ dollars per lawn
2) 12 pies eaten in 3 minutes	_____	_____ pies per minute
3) 29 shirts for 261 dollars	_____	_____ dollars per shirt
4) 10 people bought 140 tickets	_____	_____ tickets per person
5) 40 customers in 5 checkout lanes	_____	_____ customers per lane
6) 168 points for defeating 84 enemies	_____	_____ points per enemy
7) 6 classrooms with 114 students	_____	_____ students per class
8) 5 hours to drive 315 miles	_____	_____ miles per hour
9) 98 dollars for 49 TV channels	_____	_____ dollars per channel
10) 5 chocolate bars for \$10	_____	_____ dollars per bar
11) 4 hours of TV had 48 commercials	_____	_____ commercials per hour
12) 2 trays with 16 ice cubes	_____	_____ ice cubes per tray
13) 5 mail trucks had 50 bags of letters	_____	_____ bags per truck
14) 8 bags with 800 cans	_____	_____ cans per bag
15) 8 movie tickets cost \$160	_____	_____ dollars per ticket

Ex.	<u>138:69</u>	<u>2</u>
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____
11.	_____	_____
12.	_____	_____
13.	_____	_____
14.	_____	_____
15.	_____	_____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 69 brownies took 138 cups of fudge	<u>138:69</u>	<u>2</u> cups per brownie
1) 90 dollars for mowing 6 lawns	<u>90:6</u>	<u>15</u> dollars per lawn
2) 12 pies eaten in 3 minutes	<u>12:3</u>	<u>4</u> pies per minute
3) 29 shirts for 261 dollars	<u>261:29</u>	<u>9</u> dollars per shirt
4) 10 people bought 140 tickets	<u>140:10</u>	<u>14</u> tickets per person
5) 40 customers in 5 checkout lanes	<u>40:5</u>	<u>8</u> customers per lane
6) 168 points for defeating 84 enemies	<u>168:84</u>	<u>2</u> points per enemy
7) 6 classrooms with 114 students	<u>114:6</u>	<u>19</u> students per class
8) 5 hours to drive 315 miles	<u>315:5</u>	<u>63</u> miles per hour
9) 98 dollars for 49 TV channels	<u>98:49</u>	<u>2</u> dollars per channel
10) 5 chocolate bars for \$10	<u>10:5</u>	<u>2</u> dollars per bar
11) 4 hours of TV had 48 commercials	<u>48:4</u>	<u>12</u> commercials per hour
12) 2 trays with 16 ice cubes	<u>16:2</u>	<u>8</u> ice cubes per tray
13) 5 mail trucks had 50 bags of letters	<u>50:5</u>	<u>10</u> bags per truck
14) 8 bags with 800 cans	<u>800:8</u>	<u>100</u> cans per bag
15) 8 movie tickets cost \$160	<u>160:8</u>	<u>20</u> dollars per ticket

Answers

Ex.	<u>138:69</u>	<u>2</u>
1.	<u>90:6</u>	<u>15</u>
2.	<u>12:3</u>	<u>4</u>
3.	<u>261:29</u>	<u>9</u>
4.	<u>140:10</u>	<u>14</u>
5.	<u>40:5</u>	<u>8</u>
6.	<u>168:84</u>	<u>2</u>
7.	<u>114:6</u>	<u>19</u>
8.	<u>315:5</u>	<u>63</u>
9.	<u>98:49</u>	<u>2</u>
10.	<u>10:5</u>	<u>2</u>
11.	<u>48:4</u>	<u>12</u>
12.	<u>16:2</u>	<u>8</u>
13.	<u>50:5</u>	<u>10</u>
14.	<u>800:8</u>	<u>100</u>
15.	<u>160:8</u>	<u>20</u>



Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 7 hours to drive 497 miles	<u>497:7</u>	<u>71</u> miles per hour	Ex. <u>497:7</u> <u>71</u>
1) 4 boxes can hold 40 books	_____	_____ books per box	1. _____
2) 5 mail trucks had 50 bags of letters	_____	_____ bags per truck	2. _____
3) 50 dollars for 25 TV channels	_____	_____ dollars per channel	3. _____
4) 7 CDs with 35 songs	_____	_____ songs per CD	4. _____
5) 24 shirts for 72 dollars	_____	_____ dollars per shirt	5. _____
6) 45 customers in 5 checkout lanes	_____	_____ customers per lane	6. _____
7) 15 pies eaten in 3 minutes	_____	_____ pies per minute	7. _____
8) 88 dollars for mowing 4 lawns	_____	_____ dollars per lawn	8. _____
9) 8 game controllers had 56 buttons	_____	_____ buttons per controller	9. _____
10) 45 people bought 450 tickets	_____	_____ tickets per person	10. _____
11) 4 tanks with 204 fish	_____	_____ fish per tank	11. _____
12) 4 minutes to type 432 words	_____	_____ words per minute	12. _____
13) 84 copies in 7 minutes	_____	_____ copies per minute	13. _____
14) 100 pints of juice in 5 containers	_____	_____ pints per container	14. _____
15) 8 movie tickets cost \$104	_____	_____ dollars per ticket	15. _____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 7 hours to drive 497 miles	<u>497:7</u>	<u>71</u> miles per hour
1) 4 boxes can hold 40 books	<u>40:4</u>	<u>10</u> books per box
2) 5 mail trucks had 50 bags of letters	<u>50:5</u>	<u>10</u> bags per truck
3) 50 dollars for 25 TV channels	<u>50:25</u>	<u>2</u> dollars per channel
4) 7 CDs with 35 songs	<u>35:7</u>	<u>5</u> songs per CD
5) 24 shirts for 72 dollars	<u>72:24</u>	<u>3</u> dollars per shirt
6) 45 customers in 5 checkout lanes	<u>45:5</u>	<u>9</u> customers per lane
7) 15 pies eaten in 3 minutes	<u>15:3</u>	<u>5</u> pies per minute
8) 88 dollars for mowing 4 lawns	<u>88:4</u>	<u>22</u> dollars per lawn
9) 8 game controllers had 56 buttons	<u>56:8</u>	<u>7</u> buttons per controller
10) 45 people bought 450 tickets	<u>450:45</u>	<u>10</u> tickets per person
11) 4 tanks with 204 fish	<u>204:4</u>	<u>51</u> fish per tank
12) 4 minutes to type 432 words	<u>432:4</u>	<u>108</u> words per minute
13) 84 copies in 7 minutes	<u>84:7</u>	<u>12</u> copies per minute
14) 100 pints of juice in 5 containers	<u>100:5</u>	<u>20</u> pints per container
15) 8 movie tickets cost \$104	<u>104:8</u>	<u>13</u> dollars per ticket

Answers

Ex.	<u>497:7</u>	<u>71</u>
1.	<u>40:4</u>	<u>10</u>
2.	<u>50:5</u>	<u>10</u>
3.	<u>50:25</u>	<u>2</u>
4.	<u>35:7</u>	<u>5</u>
5.	<u>72:24</u>	<u>3</u>
6.	<u>45:5</u>	<u>9</u>
7.	<u>15:3</u>	<u>5</u>
8.	<u>88:4</u>	<u>22</u>
9.	<u>56:8</u>	<u>7</u>
10.	<u>450:45</u>	<u>10</u>
11.	<u>204:4</u>	<u>51</u>
12.	<u>432:4</u>	<u>108</u>
13.	<u>84:7</u>	<u>12</u>
14.	<u>100:5</u>	<u>20</u>
15.	<u>104:8</u>	<u>13</u>



Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 9 movie tickets cost \$153	<u>153:9</u>	<u>17</u>	dollars per ticket
1) 36 dollars for mowing 2 lawns	_____	_____	dollars per lawn
2) 3 hours of TV had 30 commercials	_____	_____	commercials per hour
3) 93 brownies took 186 cups of fudge	_____	_____	cups per brownie
4) 9 hours to drive 675 miles	_____	_____	miles per hour
5) 28 pints of juice in 4 containers	_____	_____	pints per container
6) 472 points for defeating 59 enemies	_____	_____	points per enemy
7) 112 customers in 8 checkout lanes	_____	_____	customers per lane
8) 43 shirts for 215 dollars	_____	_____	dollars per shirt
9) 147 dollars for 49 TV channels	_____	_____	dollars per channel
10) 2 minutes to type 190 words	_____	_____	words per minute
11) 2 tanks with 64 fish	_____	_____	fish per tank
12) 2 students earned 24 dollars total	_____	_____	dollars per student
13) 3 bags with 111 cans	_____	_____	cans per bag
14) 220 centimeters of snow in 22 hours	_____	_____	centimeters per hour
15) 47 CDs with 705 songs	_____	_____	songs per CD

Ex.	<u>153:9</u>	<u>17</u>
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____
11.	_____	_____
12.	_____	_____
13.	_____	_____
14.	_____	_____
15.	_____	_____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 9 movie tickets cost \$153	<u>153:9</u>	<u>17</u> dollars per ticket
1) 36 dollars for mowing 2 lawns	<u>36:2</u>	<u>18</u> dollars per lawn
2) 3 hours of TV had 30 commercials	<u>30:3</u>	<u>10</u> commercials per hour
3) 93 brownies took 186 cups of fudge	<u>186:93</u>	<u>2</u> cups per brownie
4) 9 hours to drive 675 miles	<u>675:9</u>	<u>75</u> miles per hour
5) 28 pints of juice in 4 containers	<u>28:4</u>	<u>7</u> pints per container
6) 472 points for defeating 59 enemies	<u>472:59</u>	<u>8</u> points per enemy
7) 112 customers in 8 checkout lanes	<u>112:8</u>	<u>14</u> customers per lane
8) 43 shirts for 215 dollars	<u>215:43</u>	<u>5</u> dollars per shirt
9) 147 dollars for 49 TV channels	<u>147:49</u>	<u>3</u> dollars per channel
10) 2 minutes to type 190 words	<u>190:2</u>	<u>95</u> words per minute
11) 2 tanks with 64 fish	<u>64:2</u>	<u>32</u> fish per tank
12) 2 students earned 24 dollars total	<u>24:2</u>	<u>12</u> dollars per student
13) 3 bags with 111 cans	<u>111:3</u>	<u>37</u> cans per bag
14) 220 centimeters of snow in 22 hours	<u>220:22</u>	<u>10</u> centimeters per hour
15) 47 CDs with 705 songs	<u>705:47</u>	<u>15</u> songs per CD

Answers

Ex.	<u>153:9</u>	<u>17</u>
1.	<u>36:2</u>	<u>18</u>
2.	<u>30:3</u>	<u>10</u>
3.	<u>186:93</u>	<u>2</u>
4.	<u>675:9</u>	<u>75</u>
5.	<u>28:4</u>	<u>7</u>
6.	<u>472:59</u>	<u>8</u>
7.	<u>112:8</u>	<u>14</u>
8.	<u>215:43</u>	<u>5</u>
9.	<u>147:49</u>	<u>3</u>
10.	<u>190:2</u>	<u>95</u>
11.	<u>64:2</u>	<u>32</u>
12.	<u>24:2</u>	<u>12</u>
13.	<u>111:3</u>	<u>37</u>
14.	<u>220:22</u>	<u>10</u>
15.	<u>705:47</u>	<u>15</u>



Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 9 mail trucks had 117 bags of letters	<u>117:9</u>	<u>13</u> bags per truck	Ex. <u>117:9</u> <u>13</u>
1) 4 movie tickets cost \$76	_____	_____ dollars per ticket	1. _____
2) 475 points for defeating 95 enemies	_____	_____ points per enemy	2. _____
3) 51 customers over 3 days	_____	_____ customers per day	3. _____
4) 6 classrooms with 168 students	_____	_____ students per class	4. _____
5) 3 students earned 33 dollars total	_____	_____ dollars per student	5. _____
6) 9 hours to drive 540 miles	_____	_____ miles per hour	6. _____
7) 6 bags with 216 cans	_____	_____ cans per bag	7. _____
8) 4 tanks with 344 fish	_____	_____ fish per tank	8. _____
9) 3 minutes to type 270 words	_____	_____ words per minute	9. _____
10) 5 boxes can hold 20 books	_____	_____ books per box	10. _____
11) 12 pies eaten in 3 minutes	_____	_____ pies per minute	11. _____
12) 78 brownies took 234 cups of fudge	_____	_____ cups per brownie	12. _____
13) 4 hours of TV had 48 commercials	_____	_____ commercials per hour	13. _____
14) 66 customers in 6 checkout lanes	_____	_____ customers per lane	14. _____
15) 43 people bought 258 tickets	_____	_____ tickets per person	15. _____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 9 mail trucks had 117 bags of letters	<u>117:9</u>	<u>13</u> bags per truck
1) 4 movie tickets cost \$76	<u>76:4</u>	<u>19</u> dollars per ticket
2) 475 points for defeating 95 enemies	<u>475:95</u>	<u>5</u> points per enemy
3) 51 customers over 3 days	<u>51:3</u>	<u>17</u> customers per day
4) 6 classrooms with 168 students	<u>168:6</u>	<u>28</u> students per class
5) 3 students earned 33 dollars total	<u>33:3</u>	<u>11</u> dollars per student
6) 9 hours to drive 540 miles	<u>540:9</u>	<u>60</u> miles per hour
7) 6 bags with 216 cans	<u>216:6</u>	<u>36</u> cans per bag
8) 4 tanks with 344 fish	<u>344:4</u>	<u>86</u> fish per tank
9) 3 minutes to type 270 words	<u>270:3</u>	<u>90</u> words per minute
10) 5 boxes can hold 20 books	<u>20:5</u>	<u>4</u> books per box
11) 12 pies eaten in 3 minutes	<u>12:3</u>	<u>4</u> pies per minute
12) 78 brownies took 234 cups of fudge	<u>234:78</u>	<u>3</u> cups per brownie
13) 4 hours of TV had 48 commercials	<u>48:4</u>	<u>12</u> commercials per hour
14) 66 customers in 6 checkout lanes	<u>66:6</u>	<u>11</u> customers per lane
15) 43 people bought 258 tickets	<u>258:43</u>	<u>6</u> tickets per person

Answers

Ex.	<u>117:9</u>	<u>13</u>
1.	<u>76:4</u>	<u>19</u>
2.	<u>475:95</u>	<u>5</u>
3.	<u>51:3</u>	<u>17</u>
4.	<u>168:6</u>	<u>28</u>
5.	<u>33:3</u>	<u>11</u>
6.	<u>540:9</u>	<u>60</u>
7.	<u>216:6</u>	<u>36</u>
8.	<u>344:4</u>	<u>86</u>
9.	<u>270:3</u>	<u>90</u>
10.	<u>20:5</u>	<u>4</u>
11.	<u>12:3</u>	<u>4</u>
12.	<u>234:78</u>	<u>3</u>
13.	<u>48:4</u>	<u>12</u>
14.	<u>66:6</u>	<u>11</u>
15.	<u>258:43</u>	<u>6</u>





Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 5 chocolate bars for \$10	<u>10:5</u>	<u>2</u> dollars per bar	Ex. <u>10:5</u> <u>2</u>
1) 9 hours to drive 603 miles	_____	_____ miles per hour	1. _____
2) 8 movie tickets cost \$160	_____	_____ dollars per ticket	2. _____
3) 34 people bought 612 tickets	_____	_____ tickets per person	3. _____
4) 280 centimeters of snow in 20 hours	_____	_____ centimeters per hour	4. _____
5) 10 pies eaten in 2 minutes	_____	_____ pies per minute	5. _____
6) 144 points for defeating 36 enemies	_____	_____ points per enemy	6. _____
7) 7 cell phone covers for 84 dollars	_____	_____ dollars per cover	7. _____
8) 9 hours of TV had 153 commercials	_____	_____ commercials per hour	8. _____
9) 48 pints of juice in 3 containers	_____	_____ pints per container	9. _____
10) 7 boxes can hold 49 books	_____	_____ books per box	10. _____
11) 100 dollars for mowing 5 lawns	_____	_____ dollars per lawn	11. _____
12) 4 tanks with 172 fish	_____	_____ fish per tank	12. _____
13) 40 brownies took 120 cups of fudge	_____	_____ cups per brownie	13. _____
14) 32 CDs with 416 songs	_____	_____ songs per CD	14. _____
15) 2 minutes to type 180 words	_____	_____ words per minute	15. _____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 5 chocolate bars for \$10	<u>10:5</u>	<u>2</u> dollars per bar
1) 9 hours to drive 603 miles	<u>603:9</u>	<u>67</u> miles per hour
2) 8 movie tickets cost \$160	<u>160:8</u>	<u>20</u> dollars per ticket
3) 34 people bought 612 tickets	<u>612:34</u>	<u>18</u> tickets per person
4) 280 centimeters of snow in 20 hours	<u>280:20</u>	<u>14</u> centimeters per hour
5) 10 pies eaten in 2 minutes	<u>10:2</u>	<u>5</u> pies per minute
6) 144 points for defeating 36 enemies	<u>144:36</u>	<u>4</u> points per enemy
7) 7 cell phone covers for 84 dollars	<u>84:7</u>	<u>12</u> dollars per cover
8) 9 hours of TV had 153 commercials	<u>153:9</u>	<u>17</u> commercials per hour
9) 48 pints of juice in 3 containers	<u>48:3</u>	<u>16</u> pints per container
10) 7 boxes can hold 49 books	<u>49:7</u>	<u>7</u> books per box
11) 100 dollars for mowing 5 lawns	<u>100:5</u>	<u>20</u> dollars per lawn
12) 4 tanks with 172 fish	<u>172:4</u>	<u>43</u> fish per tank
13) 40 brownies took 120 cups of fudge	<u>120:40</u>	<u>3</u> cups per brownie
14) 32 CDs with 416 songs	<u>416:32</u>	<u>13</u> songs per CD
15) 2 minutes to type 180 words	<u>180:2</u>	<u>90</u> words per minute

Answers

Ex.	<u>10:5</u>	<u>2</u>
1.	<u>603:9</u>	<u>67</u>
2.	<u>160:8</u>	<u>20</u>
3.	<u>612:34</u>	<u>18</u>
4.	<u>280:20</u>	<u>14</u>
5.	<u>10:2</u>	<u>5</u>
6.	<u>144:36</u>	<u>4</u>
7.	<u>84:7</u>	<u>12</u>
8.	<u>153:9</u>	<u>17</u>
9.	<u>48:3</u>	<u>16</u>
10.	<u>49:7</u>	<u>7</u>
11.	<u>100:5</u>	<u>20</u>
12.	<u>172:4</u>	<u>43</u>
13.	<u>120:40</u>	<u>3</u>
14.	<u>416:32</u>	<u>13</u>
15.	<u>180:2</u>	<u>90</u>



Find the ratio and unit rate for each problem.

Answers

	Ratio	Rate	
Ex) 4 students earned 24 dollars total	<u>24:4</u>	<u>6</u> dollars per student	Ex. <u>24:4</u> <u>6</u>
1) 75 centimeters of snow in 5 hours	_____	_____ centimeters per hour	1. _____
2) 10 movie tickets cost \$80	_____	_____ dollars per ticket	2. _____
3) 128 points for defeating 64 enemies	_____	_____ points per enemy	3. _____
4) 6 mail trucks had 48 bags of letters	_____	_____ bags per truck	4. _____
5) 72 cherry pieces in 2 bags of candy	_____	_____ pieces per bag	5. _____
6) 48 copies in 8 minutes	_____	_____ copies per minute	6. _____
7) 37 people bought 222 tickets	_____	_____ tickets per person	7. _____
8) 9 cell phone covers for 81 dollars	_____	_____ dollars per cover	8. _____
9) 49 CDs with 147 songs	_____	_____ songs per CD	9. _____
10) 7 game controllers had 70 buttons	_____	_____ buttons per controller	10. _____
11) 40 customers in 4 checkout lanes	_____	_____ customers per lane	11. _____
12) 6 pints of juice in 2 containers	_____	_____ pints per container	12. _____
13) 32 shirts for 96 dollars	_____	_____ dollars per shirt	13. _____
14) 4 tanks with 188 fish	_____	_____ fish per tank	14. _____
15) 9 bags with 828 cans	_____	_____ cans per bag	15. _____



Find the ratio and unit rate for each problem.

	Ratio	Rate
Ex) 4 students earned 24 dollars total	<u>24:4</u>	<u>6</u> dollars per student
1) 75 centimeters of snow in 5 hours	<u>75:5</u>	<u>15</u> centimeters per hour
2) 10 movie tickets cost \$80	<u>80:10</u>	<u>8</u> dollars per ticket
3) 128 points for defeating 64 enemies	<u>128:64</u>	<u>2</u> points per enemy
4) 6 mail trucks had 48 bags of letters	<u>48:6</u>	<u>8</u> bags per truck
5) 72 cherry pieces in 2 bags of candy	<u>72:2</u>	<u>36</u> pieces per bag
6) 48 copies in 8 minutes	<u>48:8</u>	<u>6</u> copies per minute
7) 37 people bought 222 tickets	<u>222:37</u>	<u>6</u> tickets per person
8) 9 cell phone covers for 81 dollars	<u>81:9</u>	<u>9</u> dollars per cover
9) 49 CDs with 147 songs	<u>147:49</u>	<u>3</u> songs per CD
10) 7 game controllers had 70 buttons	<u>70:7</u>	<u>10</u> buttons per controller
11) 40 customers in 4 checkout lanes	<u>40:4</u>	<u>10</u> customers per lane
12) 6 pints of juice in 2 containers	<u>6:2</u>	<u>3</u> pints per container
13) 32 shirts for 96 dollars	<u>96:32</u>	<u>3</u> dollars per shirt
14) 4 tanks with 188 fish	<u>188:4</u>	<u>47</u> fish per tank
15) 9 bags with 828 cans	<u>828:9</u>	<u>92</u> cans per bag

Answers

Ex.	<u>24:4</u>	<u>6</u>
1.	<u>75:5</u>	<u>15</u>
2.	<u>80:10</u>	<u>8</u>
3.	<u>128:64</u>	<u>2</u>
4.	<u>48:6</u>	<u>8</u>
5.	<u>72:2</u>	<u>36</u>
6.	<u>48:8</u>	<u>6</u>
7.	<u>222:37</u>	<u>6</u>
8.	<u>81:9</u>	<u>9</u>
9.	<u>147:49</u>	<u>3</u>
10.	<u>70:7</u>	<u>10</u>
11.	<u>40:4</u>	<u>10</u>
12.	<u>6:2</u>	<u>3</u>
13.	<u>96:32</u>	<u>3</u>
14.	<u>188:4</u>	<u>47</u>
15.	<u>828:9</u>	<u>92</u>