



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|-------------|----------------------------|--------------------------|
| Ex) 6 boxes can hold 36 books | <u>36:6</u> | <u>6</u> books per box | Ex. <u>36:6</u> <u>6</u> |
| 1) 75 pints of juice in 5 containers | _____ | _____ pints per container | 1. _____ |
| 2) 40 centimeters of snow in 20 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 32 customers in 4 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 216 cherry pieces in 6 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 120 dollars for mowing 4 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 92 dollars for 46 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 488 points for defeating 61 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 70 copies in 7 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 96 customers over 3 days | _____ | _____ customers per day | 9. _____ |
| 10) 12 pies eaten in 3 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 7 bags with 490 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 4 minutes to type 408 words | _____ | _____ words per minute | 12. _____ |
| 13) 10 hours to drive 660 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 6 trays with 30 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 10 CDs with 90 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|---------------|-------------------------------|-----------------------------|
| Ex) 6 boxes can hold 36 books | <u>36:6</u> | <u>6</u> books per box | Ex. <u>36:6</u> <u>6</u> |
| 1) 75 pints of juice in 5 containers | <u>75:5</u> | <u>15</u> pints per container | 1. <u>75:5</u> <u>15</u> |
| 2) 40 centimeters of snow in 20 hours | <u>40:20</u> | <u>2</u> centimeters per hour | 2. <u>40:20</u> <u>2</u> |
| 3) 32 customers in 4 checkout lanes | <u>32:4</u> | <u>8</u> customers per lane | 3. <u>32:4</u> <u>8</u> |
| 4) 216 cherry pieces in 6 bags of candy | <u>216:6</u> | <u>36</u> pieces per bag | 4. <u>216:6</u> <u>36</u> |
| 5) 120 dollars for mowing 4 lawns | <u>120:4</u> | <u>30</u> dollars per lawn | 5. <u>120:4</u> <u>30</u> |
| 6) 92 dollars for 46 TV channels | <u>92:46</u> | <u>2</u> dollars per channel | 6. <u>92:46</u> <u>2</u> |
| 7) 488 points for defeating 61 enemies | <u>488:61</u> | <u>8</u> points per enemy | 7. <u>488:61</u> <u>8</u> |
| 8) 70 copies in 7 minutes | <u>70:7</u> | <u>10</u> copies per minute | 8. <u>70:7</u> <u>10</u> |
| 9) 96 customers over 3 days | <u>96:3</u> | <u>32</u> customers per day | 9. <u>96:3</u> <u>32</u> |
| 10) 12 pies eaten in 3 minutes | <u>12:3</u> | <u>4</u> pies per minute | 10. <u>12:3</u> <u>4</u> |
| 11) 7 bags with 490 cans | <u>490:7</u> | <u>70</u> cans per bag | 11. <u>490:7</u> <u>70</u> |
| 12) 4 minutes to type 408 words | <u>408:4</u> | <u>102</u> words per minute | 12. <u>408:4</u> <u>102</u> |
| 13) 10 hours to drive 660 miles | <u>660:10</u> | <u>66</u> miles per hour | 13. <u>660:10</u> <u>66</u> |
| 14) 6 trays with 30 ice cubes | <u>30:6</u> | <u>5</u> ice cubes per tray | 14. <u>30:6</u> <u>5</u> |
| 15) 10 CDs with 90 songs | <u>90:10</u> | <u>9</u> songs per CD | 15. <u>90:10</u> <u>9</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|--|-------------|----------------------------|--------------------------|
| Ex) 8 boxes can hold 48 books | <u>48:8</u> | <u>6</u> books per box | Ex. <u>48:8</u> <u>6</u> |
| 1) 24 pints of juice in 2 containers | _____ | _____ pints per container | 1. _____ |
| 2) 252 centimeters of snow in 18 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 48 customers in 4 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 95 cherry pieces in 5 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 96 dollars for mowing 6 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 102 dollars for 34 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 180 points for defeating 30 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 18 copies in 3 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 132 customers over 6 days | _____ | _____ customers per day | 9. _____ |
| 10) 8 pies eaten in 2 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 9 bags with 369 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 8 minutes to type 648 words | _____ | _____ words per minute | 12. _____ |
| 13) 7 hours to drive 350 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 9 trays with 45 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 18 CDs with 252 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|--|---------------|--------------------------------|-----------------------------|
| Ex) 8 boxes can hold 48 books | <u>48:8</u> | <u>6</u> books per box | Ex. <u>48:8</u> <u>6</u> |
| 1) 24 pints of juice in 2 containers | <u>24:2</u> | <u>12</u> pints per container | 1. <u>24:2</u> <u>12</u> |
| 2) 252 centimeters of snow in 18 hours | <u>252:18</u> | <u>14</u> centimeters per hour | 2. <u>252:18</u> <u>14</u> |
| 3) 48 customers in 4 checkout lanes | <u>48:4</u> | <u>12</u> customers per lane | 3. <u>48:4</u> <u>12</u> |
| 4) 95 cherry pieces in 5 bags of candy | <u>95:5</u> | <u>19</u> pieces per bag | 4. <u>95:5</u> <u>19</u> |
| 5) 96 dollars for mowing 6 lawns | <u>96:6</u> | <u>16</u> dollars per lawn | 5. <u>96:6</u> <u>16</u> |
| 6) 102 dollars for 34 TV channels | <u>102:34</u> | <u>3</u> dollars per channel | 6. <u>102:34</u> <u>3</u> |
| 7) 180 points for defeating 30 enemies | <u>180:30</u> | <u>6</u> points per enemy | 7. <u>180:30</u> <u>6</u> |
| 8) 18 copies in 3 minutes | <u>18:3</u> | <u>6</u> copies per minute | 8. <u>18:3</u> <u>6</u> |
| 9) 132 customers over 6 days | <u>132:6</u> | <u>22</u> customers per day | 9. <u>132:6</u> <u>22</u> |
| 10) 8 pies eaten in 2 minutes | <u>8:2</u> | <u>4</u> pies per minute | 10. <u>8:2</u> <u>4</u> |
| 11) 9 bags with 369 cans | <u>369:9</u> | <u>41</u> cans per bag | 11. <u>369:9</u> <u>41</u> |
| 12) 8 minutes to type 648 words | <u>648:8</u> | <u>81</u> words per minute | 12. <u>648:8</u> <u>81</u> |
| 13) 7 hours to drive 350 miles | <u>350:7</u> | <u>50</u> miles per hour | 13. <u>350:7</u> <u>50</u> |
| 14) 9 trays with 45 ice cubes | <u>45:9</u> | <u>5</u> ice cubes per tray | 14. <u>45:9</u> <u>5</u> |
| 15) 18 CDs with 252 songs | <u>252:18</u> | <u>14</u> songs per CD | 15. <u>252:18</u> <u>14</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|--|-------------|----------------------------|--------------------------|
| Ex) 9 boxes can hold 54 books | <u>54:9</u> | <u>6</u> books per box | Ex. <u>54:9</u> <u>6</u> |
| 1) 4 pints of juice in 2 containers | _____ | _____ pints per container | 1. _____ |
| 2) 24 centimeters of snow in 3 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 36 customers in 6 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 96 cherry pieces in 8 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 90 dollars for mowing 6 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 84 dollars for 42 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 378 points for defeating 54 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 56 copies in 8 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 90 customers over 3 days | _____ | _____ customers per day | 9. _____ |
| 10) 21 pies eaten in 3 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 8 bags with 104 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 6 minutes to type 624 words | _____ | _____ words per minute | 12. _____ |
| 13) 4 hours to drive 252 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 3 trays with 18 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 18 CDs with 252 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | | | |
|--|---------------|------------|----------------------|-----|-------------------------|
| Ex) 9 boxes can hold 54 books | <u>54:9</u> | <u>6</u> | books per box | Ex. | <u>54:9</u> <u>6</u> |
| 1) 4 pints of juice in 2 containers | <u>4:2</u> | <u>2</u> | pints per container | 1. | <u>4:2</u> <u>2</u> |
| 2) 24 centimeters of snow in 3 hours | <u>24:3</u> | <u>8</u> | centimeters per hour | 2. | <u>24:3</u> <u>8</u> |
| 3) 36 customers in 6 checkout lanes | <u>36:6</u> | <u>6</u> | customers per lane | 3. | <u>36:6</u> <u>6</u> |
| 4) 96 cherry pieces in 8 bags of candy | <u>96:8</u> | <u>12</u> | pieces per bag | 4. | <u>96:8</u> <u>12</u> |
| 5) 90 dollars for mowing 6 lawns | <u>90:6</u> | <u>15</u> | dollars per lawn | 5. | <u>90:6</u> <u>15</u> |
| 6) 84 dollars for 42 TV channels | <u>84:42</u> | <u>2</u> | dollars per channel | 6. | <u>84:42</u> <u>2</u> |
| 7) 378 points for defeating 54 enemies | <u>378:54</u> | <u>7</u> | points per enemy | 7. | <u>378:54</u> <u>7</u> |
| 8) 56 copies in 8 minutes | <u>56:8</u> | <u>7</u> | copies per minute | 8. | <u>56:8</u> <u>7</u> |
| 9) 90 customers over 3 days | <u>90:3</u> | <u>30</u> | customers per day | 9. | <u>90:3</u> <u>30</u> |
| 10) 21 pies eaten in 3 minutes | <u>21:3</u> | <u>7</u> | pies per minute | 10. | <u>21:3</u> <u>7</u> |
| 11) 8 bags with 104 cans | <u>104:8</u> | <u>13</u> | cans per bag | 11. | <u>104:8</u> <u>13</u> |
| 12) 6 minutes to type 624 words | <u>624:6</u> | <u>104</u> | words per minute | 12. | <u>624:6</u> <u>104</u> |
| 13) 4 hours to drive 252 miles | <u>252:4</u> | <u>63</u> | miles per hour | 13. | <u>252:4</u> <u>63</u> |
| 14) 3 trays with 18 ice cubes | <u>18:3</u> | <u>6</u> | ice cubes per tray | 14. | <u>18:3</u> <u>6</u> |
| 15) 18 CDs with 252 songs | <u>252:18</u> | <u>14</u> | songs per CD | 15. | <u>252:18</u> <u>14</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|-------------|-----------|----------------------|
| Ex) 9 boxes can hold 90 books | <u>90:9</u> | <u>10</u> | books per box |
| 1) 40 pints of juice in 2 containers | _____ | _____ | pints per container |
| 2) 270 centimeters of snow in 18 hours | _____ | _____ | centimeters per hour |
| 3) 65 customers in 5 checkout lanes | _____ | _____ | customers per lane |
| 4) 147 cherry pieces in 3 bags of candy | _____ | _____ | pieces per bag |
| 5) 160 dollars for mowing 8 lawns | _____ | _____ | dollars per lawn |
| 6) 123 dollars for 41 TV channels | _____ | _____ | dollars per channel |
| 7) 176 points for defeating 88 enemies | _____ | _____ | points per enemy |
| 8) 44 copies in 4 minutes | _____ | _____ | copies per minute |
| 9) 76 customers over 4 days | _____ | _____ | customers per day |
| 10) 6 pies eaten in 2 minutes | _____ | _____ | pies per minute |
| 11) 5 bags with 185 cans | _____ | _____ | cans per bag |
| 12) 2 minutes to type 200 words | _____ | _____ | words per minute |
| 13) 9 hours to drive 576 miles | _____ | _____ | miles per hour |
| 14) 6 trays with 30 ice cubes | _____ | _____ | ice cubes per tray |
| 15) 39 CDs with 156 songs | _____ | _____ | songs per CD |

| Ex. | <u>90:9</u> | <u>10</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.

Answers

| | Ratio | Rate | | | |
|---|---------------|------------|----------------------|-----|-------------------------|
| Ex) 9 boxes can hold 90 books | <u>90:9</u> | <u>10</u> | books per box | Ex. | <u>90:9</u> <u>10</u> |
| 1) 40 pints of juice in 2 containers | <u>40:2</u> | <u>20</u> | pints per container | 1. | <u>40:2</u> <u>20</u> |
| 2) 270 centimeters of snow in 18 hours | <u>270:18</u> | <u>15</u> | centimeters per hour | 2. | <u>270:18</u> <u>15</u> |
| 3) 65 customers in 5 checkout lanes | <u>65:5</u> | <u>13</u> | customers per lane | 3. | <u>65:5</u> <u>13</u> |
| 4) 147 cherry pieces in 3 bags of candy | <u>147:3</u> | <u>49</u> | pieces per bag | 4. | <u>147:3</u> <u>49</u> |
| 5) 160 dollars for mowing 8 lawns | <u>160:8</u> | <u>20</u> | dollars per lawn | 5. | <u>160:8</u> <u>20</u> |
| 6) 123 dollars for 41 TV channels | <u>123:41</u> | <u>3</u> | dollars per channel | 6. | <u>123:41</u> <u>3</u> |
| 7) 176 points for defeating 88 enemies | <u>176:88</u> | <u>2</u> | points per enemy | 7. | <u>176:88</u> <u>2</u> |
| 8) 44 copies in 4 minutes | <u>44:4</u> | <u>11</u> | copies per minute | 8. | <u>44:4</u> <u>11</u> |
| 9) 76 customers over 4 days | <u>76:4</u> | <u>19</u> | customers per day | 9. | <u>76:4</u> <u>19</u> |
| 10) 6 pies eaten in 2 minutes | <u>6:2</u> | <u>3</u> | pies per minute | 10. | <u>6:2</u> <u>3</u> |
| 11) 5 bags with 185 cans | <u>185:5</u> | <u>37</u> | cans per bag | 11. | <u>185:5</u> <u>37</u> |
| 12) 2 minutes to type 200 words | <u>200:2</u> | <u>100</u> | words per minute | 12. | <u>200:2</u> <u>100</u> |
| 13) 9 hours to drive 576 miles | <u>576:9</u> | <u>64</u> | miles per hour | 13. | <u>576:9</u> <u>64</u> |
| 14) 6 trays with 30 ice cubes | <u>30:6</u> | <u>5</u> | ice cubes per tray | 14. | <u>30:6</u> <u>5</u> |
| 15) 39 CDs with 156 songs | <u>156:39</u> | <u>4</u> | songs per CD | 15. | <u>156:39</u> <u>4</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|--|-------------|----------------------------|--------------------------|
| Ex) 3 boxes can hold 27 books | <u>27:3</u> | <u>9</u> books per box | Ex. <u>27:3</u> <u>9</u> |
| 1) 28 pints of juice in 4 containers | _____ | _____ pints per container | 1. _____ |
| 2) 48 centimeters of snow in 8 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 65 customers in 5 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 480 cherry pieces in 10 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 124 dollars for mowing 4 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 87 dollars for 29 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 376 points for defeating 94 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 28 copies in 2 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 144 customers over 6 days | _____ | _____ customers per day | 9. _____ |
| 10) 12 pies eaten in 2 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 6 bags with 276 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 3 minutes to type 273 words | _____ | _____ words per minute | 12. _____ |
| 13) 10 hours to drive 550 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 6 trays with 48 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 41 CDs with 533 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|--|---------------|-------------------------------|-----------------------------|
| Ex) 3 boxes can hold 27 books | <u>27:3</u> | <u>9</u> books per box | Ex. <u>27:3</u> <u>9</u> |
| 1) 28 pints of juice in 4 containers | <u>28:4</u> | <u>7</u> pints per container | 1. <u>28:4</u> <u>7</u> |
| 2) 48 centimeters of snow in 8 hours | <u>48:8</u> | <u>6</u> centimeters per hour | 2. <u>48:8</u> <u>6</u> |
| 3) 65 customers in 5 checkout lanes | <u>65:5</u> | <u>13</u> customers per lane | 3. <u>65:5</u> <u>13</u> |
| 4) 480 cherry pieces in 10 bags of candy | <u>480:10</u> | <u>48</u> pieces per bag | 4. <u>480:10</u> <u>48</u> |
| 5) 124 dollars for mowing 4 lawns | <u>124:4</u> | <u>31</u> dollars per lawn | 5. <u>124:4</u> <u>31</u> |
| 6) 87 dollars for 29 TV channels | <u>87:29</u> | <u>3</u> dollars per channel | 6. <u>87:29</u> <u>3</u> |
| 7) 376 points for defeating 94 enemies | <u>376:94</u> | <u>4</u> points per enemy | 7. <u>376:94</u> <u>4</u> |
| 8) 28 copies in 2 minutes | <u>28:2</u> | <u>14</u> copies per minute | 8. <u>28:2</u> <u>14</u> |
| 9) 144 customers over 6 days | <u>144:6</u> | <u>24</u> customers per day | 9. <u>144:6</u> <u>24</u> |
| 10) 12 pies eaten in 2 minutes | <u>12:2</u> | <u>6</u> pies per minute | 10. <u>12:2</u> <u>6</u> |
| 11) 6 bags with 276 cans | <u>276:6</u> | <u>46</u> cans per bag | 11. <u>276:6</u> <u>46</u> |
| 12) 3 minutes to type 273 words | <u>273:3</u> | <u>91</u> words per minute | 12. <u>273:3</u> <u>91</u> |
| 13) 10 hours to drive 550 miles | <u>550:10</u> | <u>55</u> miles per hour | 13. <u>550:10</u> <u>55</u> |
| 14) 6 trays with 48 ice cubes | <u>48:6</u> | <u>8</u> ice cubes per tray | 14. <u>48:6</u> <u>8</u> |
| 15) 41 CDs with 533 songs | <u>533:41</u> | <u>13</u> songs per CD | 15. <u>533:41</u> <u>13</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|-------------|----------------------------|--------------------------|
| Ex) 8 boxes can hold 72 books | <u>72:8</u> | <u>9</u> books per box | Ex. <u>72:8</u> <u>9</u> |
| 1) 57 pints of juice in 3 containers | _____ | _____ pints per container | 1. _____ |
| 2) 88 centimeters of snow in 22 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 42 customers in 6 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 192 cherry pieces in 6 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 315 dollars for mowing 9 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 144 dollars for 48 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 528 points for defeating 88 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 24 copies in 2 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 28 customers over 2 days | _____ | _____ customers per day | 9. _____ |
| 10) 10 pies eaten in 2 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 5 bags with 495 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 3 minutes to type 243 words | _____ | _____ words per minute | 12. _____ |
| 13) 8 hours to drive 432 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 5 trays with 30 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 49 CDs with 147 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

| | Ratio | Rate |
|---|---------------|-------------------------------|
| Ex) 8 boxes can hold 72 books | <u>72:8</u> | <u>9</u> books per box |
| 1) 57 pints of juice in 3 containers | <u>57:3</u> | <u>19</u> pints per container |
| 2) 88 centimeters of snow in 22 hours | <u>88:22</u> | <u>4</u> centimeters per hour |
| 3) 42 customers in 6 checkout lanes | <u>42:6</u> | <u>7</u> customers per lane |
| 4) 192 cherry pieces in 6 bags of candy | <u>192:6</u> | <u>32</u> pieces per bag |
| 5) 315 dollars for mowing 9 lawns | <u>315:9</u> | <u>35</u> dollars per lawn |
| 6) 144 dollars for 48 TV channels | <u>144:48</u> | <u>3</u> dollars per channel |
| 7) 528 points for defeating 88 enemies | <u>528:88</u> | <u>6</u> points per enemy |
| 8) 24 copies in 2 minutes | <u>24:2</u> | <u>12</u> copies per minute |
| 9) 28 customers over 2 days | <u>28:2</u> | <u>14</u> customers per day |
| 10) 10 pies eaten in 2 minutes | <u>10:2</u> | <u>5</u> pies per minute |
| 11) 5 bags with 495 cans | <u>495:5</u> | <u>99</u> cans per bag |
| 12) 3 minutes to type 243 words | <u>243:3</u> | <u>81</u> words per minute |
| 13) 8 hours to drive 432 miles | <u>432:8</u> | <u>54</u> miles per hour |
| 14) 5 trays with 30 ice cubes | <u>30:5</u> | <u>6</u> ice cubes per tray |
| 15) 49 CDs with 147 songs | <u>147:49</u> | <u>3</u> songs per CD |

Answers

| | | |
|-----|---------------|-----------|
| Ex. | <u>72:8</u> | <u>9</u> |
| 1. | <u>57:3</u> | <u>19</u> |
| 2. | <u>88:22</u> | <u>4</u> |
| 3. | <u>42:6</u> | <u>7</u> |
| 4. | <u>192:6</u> | <u>32</u> |
| 5. | <u>315:9</u> | <u>35</u> |
| 6. | <u>144:48</u> | <u>3</u> |
| 7. | <u>528:88</u> | <u>6</u> |
| 8. | <u>24:2</u> | <u>12</u> |
| 9. | <u>28:2</u> | <u>14</u> |
| 10. | <u>10:2</u> | <u>5</u> |
| 11. | <u>495:5</u> | <u>99</u> |
| 12. | <u>243:3</u> | <u>81</u> |
| 13. | <u>432:8</u> | <u>54</u> |
| 14. | <u>30:5</u> | <u>6</u> |
| 15. | <u>147:49</u> | <u>3</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|-------------|----------------------------|--------------------------|
| Ex) 3 boxes can hold 18 books | <u>18:3</u> | <u>6</u> books per box | Ex. <u>18:3</u> <u>6</u> |
| 1) 15 pints of juice in 3 containers | _____ | _____ pints per container | 1. _____ |
| 2) 414 centimeters of snow in 23 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 126 customers in 9 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 273 cherry pieces in 7 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 36 dollars for mowing 2 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 90 dollars for 45 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 322 points for defeating 46 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 42 copies in 6 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 66 customers over 3 days | _____ | _____ customers per day | 9. _____ |
| 10) 9 pies eaten in 3 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 3 bags with 267 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 4 minutes to type 400 words | _____ | _____ words per minute | 12. _____ |
| 13) 9 hours to drive 540 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 2 trays with 10 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 20 CDs with 100 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|---------------|--------------------------------|-----------------------------|
| Ex) 3 boxes can hold 18 books | <u>18:3</u> | <u>6</u> books per box | Ex. <u>18:3</u> <u>6</u> |
| 1) 15 pints of juice in 3 containers | <u>15:3</u> | <u>5</u> pints per container | 1. <u>15:3</u> <u>5</u> |
| 2) 414 centimeters of snow in 23 hours | <u>414:23</u> | <u>18</u> centimeters per hour | 2. <u>414:23</u> <u>18</u> |
| 3) 126 customers in 9 checkout lanes | <u>126:9</u> | <u>14</u> customers per lane | 3. <u>126:9</u> <u>14</u> |
| 4) 273 cherry pieces in 7 bags of candy | <u>273:7</u> | <u>39</u> pieces per bag | 4. <u>273:7</u> <u>39</u> |
| 5) 36 dollars for mowing 2 lawns | <u>36:2</u> | <u>18</u> dollars per lawn | 5. <u>36:2</u> <u>18</u> |
| 6) 90 dollars for 45 TV channels | <u>90:45</u> | <u>2</u> dollars per channel | 6. <u>90:45</u> <u>2</u> |
| 7) 322 points for defeating 46 enemies | <u>322:46</u> | <u>7</u> points per enemy | 7. <u>322:46</u> <u>7</u> |
| 8) 42 copies in 6 minutes | <u>42:6</u> | <u>7</u> copies per minute | 8. <u>42:6</u> <u>7</u> |
| 9) 66 customers over 3 days | <u>66:3</u> | <u>22</u> customers per day | 9. <u>66:3</u> <u>22</u> |
| 10) 9 pies eaten in 3 minutes | <u>9:3</u> | <u>3</u> pies per minute | 10. <u>9:3</u> <u>3</u> |
| 11) 3 bags with 267 cans | <u>267:3</u> | <u>89</u> cans per bag | 11. <u>267:3</u> <u>89</u> |
| 12) 4 minutes to type 400 words | <u>400:4</u> | <u>100</u> words per minute | 12. <u>400:4</u> <u>100</u> |
| 13) 9 hours to drive 540 miles | <u>540:9</u> | <u>60</u> miles per hour | 13. <u>540:9</u> <u>60</u> |
| 14) 2 trays with 10 ice cubes | <u>10:2</u> | <u>5</u> ice cubes per tray | 14. <u>10:2</u> <u>5</u> |
| 15) 20 CDs with 100 songs | <u>100:20</u> | <u>5</u> songs per CD | 15. <u>100:20</u> <u>5</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|-------------|----------------------------|--------------------------|
| Ex) 9 boxes can hold 54 books | <u>54:9</u> | <u>6</u> books per box | Ex. <u>54:9</u> <u>6</u> |
| 1) 28 pints of juice in 4 containers | _____ | _____ pints per container | 1. _____ |
| 2) 242 centimeters of snow in 22 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 104 customers in 8 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 259 cherry pieces in 7 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 264 dollars for mowing 8 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 74 dollars for 37 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 450 points for defeating 50 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 42 copies in 3 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 128 customers over 4 days | _____ | _____ customers per day | 9. _____ |
| 10) 12 pies eaten in 2 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 6 bags with 534 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 5 minutes to type 555 words | _____ | _____ words per minute | 12. _____ |
| 13) 7 hours to drive 504 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 2 trays with 22 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 6 CDs with 30 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|---------------|--------------------------------|-----------------------------|
| Ex) 9 boxes can hold 54 books | <u>54:9</u> | <u>6</u> books per box | Ex. <u>54:9</u> <u>6</u> |
| 1) 28 pints of juice in 4 containers | <u>28:4</u> | <u>7</u> pints per container | 1. <u>28:4</u> <u>7</u> |
| 2) 242 centimeters of snow in 22 hours | <u>242:22</u> | <u>11</u> centimeters per hour | 2. <u>242:22</u> <u>11</u> |
| 3) 104 customers in 8 checkout lanes | <u>104:8</u> | <u>13</u> customers per lane | 3. <u>104:8</u> <u>13</u> |
| 4) 259 cherry pieces in 7 bags of candy | <u>259:7</u> | <u>37</u> pieces per bag | 4. <u>259:7</u> <u>37</u> |
| 5) 264 dollars for mowing 8 lawns | <u>264:8</u> | <u>33</u> dollars per lawn | 5. <u>264:8</u> <u>33</u> |
| 6) 74 dollars for 37 TV channels | <u>74:37</u> | <u>2</u> dollars per channel | 6. <u>74:37</u> <u>2</u> |
| 7) 450 points for defeating 50 enemies | <u>450:50</u> | <u>9</u> points per enemy | 7. <u>450:50</u> <u>9</u> |
| 8) 42 copies in 3 minutes | <u>42:3</u> | <u>14</u> copies per minute | 8. <u>42:3</u> <u>14</u> |
| 9) 128 customers over 4 days | <u>128:4</u> | <u>32</u> customers per day | 9. <u>128:4</u> <u>32</u> |
| 10) 12 pies eaten in 2 minutes | <u>12:2</u> | <u>6</u> pies per minute | 10. <u>12:2</u> <u>6</u> |
| 11) 6 bags with 534 cans | <u>534:6</u> | <u>89</u> cans per bag | 11. <u>534:6</u> <u>89</u> |
| 12) 5 minutes to type 555 words | <u>555:5</u> | <u>111</u> words per minute | 12. <u>555:5</u> <u>111</u> |
| 13) 7 hours to drive 504 miles | <u>504:7</u> | <u>72</u> miles per hour | 13. <u>504:7</u> <u>72</u> |
| 14) 2 trays with 22 ice cubes | <u>22:2</u> | <u>11</u> ice cubes per tray | 14. <u>22:2</u> <u>11</u> |
| 15) 6 CDs with 30 songs | <u>30:6</u> | <u>5</u> songs per CD | 15. <u>30:6</u> <u>5</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|---|-------------|----------------------------|--------------------------|
| Ex) 9 boxes can hold 36 books | <u>36:9</u> | <u>4</u> books per box | Ex. <u>36:9</u> <u>4</u> |
| 1) 40 pints of juice in 4 containers | _____ | _____ pints per container | 1. _____ |
| 2) 108 centimeters of snow in 12 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 77 customers in 7 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 306 cherry pieces in 9 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 80 dollars for mowing 4 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 46 dollars for 23 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 328 points for defeating 82 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 64 copies in 8 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 46 customers over 2 days | _____ | _____ customers per day | 9. _____ |
| 10) 9 pies eaten in 3 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 2 bags with 118 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 4 minutes to type 328 words | _____ | _____ words per minute | 12. _____ |
| 13) 10 hours to drive 630 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 8 trays with 40 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 16 CDs with 32 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

| | Ratio | Rate |
|---|---------------|-------------------------------|
| Ex) 9 boxes can hold 36 books | <u>36:9</u> | <u>4</u> books per box |
| 1) 40 pints of juice in 4 containers | <u>40:4</u> | <u>10</u> pints per container |
| 2) 108 centimeters of snow in 12 hours | <u>108:12</u> | <u>9</u> centimeters per hour |
| 3) 77 customers in 7 checkout lanes | <u>77:7</u> | <u>11</u> customers per lane |
| 4) 306 cherry pieces in 9 bags of candy | <u>306:9</u> | <u>34</u> pieces per bag |
| 5) 80 dollars for mowing 4 lawns | <u>80:4</u> | <u>20</u> dollars per lawn |
| 6) 46 dollars for 23 TV channels | <u>46:23</u> | <u>2</u> dollars per channel |
| 7) 328 points for defeating 82 enemies | <u>328:82</u> | <u>4</u> points per enemy |
| 8) 64 copies in 8 minutes | <u>64:8</u> | <u>8</u> copies per minute |
| 9) 46 customers over 2 days | <u>46:2</u> | <u>23</u> customers per day |
| 10) 9 pies eaten in 3 minutes | <u>9:3</u> | <u>3</u> pies per minute |
| 11) 2 bags with 118 cans | <u>118:2</u> | <u>59</u> cans per bag |
| 12) 4 minutes to type 328 words | <u>328:4</u> | <u>82</u> words per minute |
| 13) 10 hours to drive 630 miles | <u>630:10</u> | <u>63</u> miles per hour |
| 14) 8 trays with 40 ice cubes | <u>40:8</u> | <u>5</u> ice cubes per tray |
| 15) 16 CDs with 32 songs | <u>32:16</u> | <u>2</u> songs per CD |

Answers

| | | |
|-----|---------------|-----------|
| Ex. | <u>36:9</u> | <u>4</u> |
| 1. | <u>40:4</u> | <u>10</u> |
| 2. | <u>108:12</u> | <u>9</u> |
| 3. | <u>77:7</u> | <u>11</u> |
| 4. | <u>306:9</u> | <u>34</u> |
| 5. | <u>80:4</u> | <u>20</u> |
| 6. | <u>46:23</u> | <u>2</u> |
| 7. | <u>328:82</u> | <u>4</u> |
| 8. | <u>64:8</u> | <u>8</u> |
| 9. | <u>46:2</u> | <u>23</u> |
| 10. | <u>9:3</u> | <u>3</u> |
| 11. | <u>118:2</u> | <u>59</u> |
| 12. | <u>328:4</u> | <u>82</u> |
| 13. | <u>630:10</u> | <u>63</u> |
| 14. | <u>40:8</u> | <u>5</u> |
| 15. | <u>32:16</u> | <u>2</u> |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|--|-------------|----------------------------|--------------------------|
| Ex) 3 boxes can hold 12 books | <u>12:3</u> | <u>4</u> books per box | Ex. <u>12:3</u> <u>4</u> |
| 1) 10 pints of juice in 2 containers | _____ | _____ pints per container | 1. _____ |
| 2) 30 centimeters of snow in 6 hours | _____ | _____ centimeters per hour | 2. _____ |
| 3) 55 customers in 5 checkout lanes | _____ | _____ customers per lane | 3. _____ |
| 4) 44 cherry pieces in 4 bags of candy | _____ | _____ pieces per bag | 4. _____ |
| 5) 184 dollars for mowing 8 lawns | _____ | _____ dollars per lawn | 5. _____ |
| 6) 132 dollars for 44 TV channels | _____ | _____ dollars per channel | 6. _____ |
| 7) 228 points for defeating 76 enemies | _____ | _____ points per enemy | 7. _____ |
| 8) 72 copies in 9 minutes | _____ | _____ copies per minute | 8. _____ |
| 9) 26 customers over 2 days | _____ | _____ customers per day | 9. _____ |
| 10) 9 pies eaten in 3 minutes | _____ | _____ pies per minute | 10. _____ |
| 11) 8 bags with 376 cans | _____ | _____ cans per bag | 11. _____ |
| 12) 7 minutes to type 770 words | _____ | _____ words per minute | 12. _____ |
| 13) 10 hours to drive 680 miles | _____ | _____ miles per hour | 13. _____ |
| 14) 3 trays with 33 ice cubes | _____ | _____ ice cubes per tray | 14. _____ |
| 15) 26 CDs with 52 songs | _____ | _____ songs per CD | 15. _____ |



Find the ratio and unit rate for each problem.

Answers

| | Ratio | Rate | |
|--|---------------|-------------------------------|-----------------------------|
| Ex) 3 boxes can hold 12 books | <u>12:3</u> | <u>4</u> books per box | Ex. <u>12:3</u> <u>4</u> |
| 1) 10 pints of juice in 2 containers | <u>10:2</u> | <u>5</u> pints per container | 1. <u>10:2</u> <u>5</u> |
| 2) 30 centimeters of snow in 6 hours | <u>30:6</u> | <u>5</u> centimeters per hour | 2. <u>30:6</u> <u>5</u> |
| 3) 55 customers in 5 checkout lanes | <u>55:5</u> | <u>11</u> customers per lane | 3. <u>55:5</u> <u>11</u> |
| 4) 44 cherry pieces in 4 bags of candy | <u>44:4</u> | <u>11</u> pieces per bag | 4. <u>44:4</u> <u>11</u> |
| 5) 184 dollars for mowing 8 lawns | <u>184:8</u> | <u>23</u> dollars per lawn | 5. <u>184:8</u> <u>23</u> |
| 6) 132 dollars for 44 TV channels | <u>132:44</u> | <u>3</u> dollars per channel | 6. <u>132:44</u> <u>3</u> |
| 7) 228 points for defeating 76 enemies | <u>228:76</u> | <u>3</u> points per enemy | 7. <u>228:76</u> <u>3</u> |
| 8) 72 copies in 9 minutes | <u>72:9</u> | <u>8</u> copies per minute | 8. <u>72:9</u> <u>8</u> |
| 9) 26 customers over 2 days | <u>26:2</u> | <u>13</u> customers per day | 9. <u>26:2</u> <u>13</u> |
| 10) 9 pies eaten in 3 minutes | <u>9:3</u> | <u>3</u> pies per minute | 10. <u>9:3</u> <u>3</u> |
| 11) 8 bags with 376 cans | <u>376:8</u> | <u>47</u> cans per bag | 11. <u>376:8</u> <u>47</u> |
| 12) 7 minutes to type 770 words | <u>770:7</u> | <u>110</u> words per minute | 12. <u>770:7</u> <u>110</u> |
| 13) 10 hours to drive 680 miles | <u>680:10</u> | <u>68</u> miles per hour | 13. <u>680:10</u> <u>68</u> |
| 14) 3 trays with 33 ice cubes | <u>33:3</u> | <u>11</u> ice cubes per tray | 14. <u>33:3</u> <u>11</u> |
| 15) 26 CDs with 52 songs | <u>52:26</u> | <u>2</u> songs per CD | 15. <u>52:26</u> <u>2</u> |