



Find the ratio and unit rate for each problem.

Answers

- Ex) 14 copies in 2 minutes 14:2 7 copies per minute
- 1) 10 hours to drive 710 miles _____ _____ miles per hour
- 2) 3 boxes can hold 12 books _____ _____ books per box
- 3) 111 dollars for 37 TV channels _____ _____ dollars per channel
- 4) 48 customers over 2 days _____ _____ customers per day
- 5) 8 classrooms with 136 students _____ _____ students per class
- 6) 174 cherry pieces in 6 bags of candy _____ _____ pieces per bag
- 7) 54 dollars for mowing 2 lawns _____ _____ dollars per lawn
- 8) 2 mail trucks had 26 bags of letters _____ _____ bags per truck
- 9) 265 points for defeating 53 enemies _____ _____ points per enemy
- 10) 3 movie tickets cost \$42 _____ _____ dollars per ticket
- 11) 52 pints of juice in 4 containers _____ _____ pints per container
- 12) 4 students earned 56 dollars total _____ _____ dollars per student
- 13) 35 customers in 5 checkout lanes _____ _____ customers per lane
- 14) 4 cell phone covers for 28 dollars _____ _____ dollars per cover
- 15) 4 trays with 40 ice cubes _____ _____ ice cubes per tray

- Ex. 14:2 7
1. _____ _____
2. _____ _____
3. _____ _____
4. _____ _____
5. _____ _____
6. _____ _____
7. _____ _____
8. _____ _____
9. _____ _____
10. _____ _____
11. _____ _____
12. _____ _____
13. _____ _____
14. _____ _____
15. _____ _____



Find the ratio and unit rate for each problem.

- | | | | | |
|-----|--------------------------------------|---------------|-----------|---------------------|
| Ex) | 14 copies in 2 minutes | <u>14:2</u> | <u>7</u> | copies per minute |
| 1) | 10 hours to drive 710 miles | <u>710:10</u> | <u>71</u> | miles per hour |
| 2) | 3 boxes can hold 12 books | <u>12:3</u> | <u>4</u> | books per box |
| 3) | 111 dollars for 37 TV channels | <u>111:37</u> | <u>3</u> | dollars per channel |
| 4) | 48 customers over 2 days | <u>48:2</u> | <u>24</u> | customers per day |
| 5) | 8 classrooms with 136 students | <u>136:8</u> | <u>17</u> | students per class |
| 6) | 174 cherry pieces in 6 bags of candy | <u>174:6</u> | <u>29</u> | pieces per bag |
| 7) | 54 dollars for mowing 2 lawns | <u>54:2</u> | <u>27</u> | dollars per lawn |
| 8) | 2 mail trucks had 26 bags of letters | <u>26:2</u> | <u>13</u> | bags per truck |
| 9) | 265 points for defeating 53 enemies | <u>265:53</u> | <u>5</u> | points per enemy |
| 10) | 3 movie tickets cost \$42 | <u>42:3</u> | <u>14</u> | dollars per ticket |
| 11) | 52 pints of juice in 4 containers | <u>52:4</u> | <u>13</u> | pints per container |
| 12) | 4 students earned 56 dollars total | <u>56:4</u> | <u>14</u> | dollars per student |
| 13) | 35 customers in 5 checkout lanes | <u>35:5</u> | <u>7</u> | customers per lane |
| 14) | 4 cell phone covers for 28 dollars | <u>28:4</u> | <u>7</u> | dollars per cover |
| 15) | 4 trays with 40 ice cubes | <u>40:4</u> | <u>10</u> | ice cubes per tray |

Answers

- | | | |
|-----|---------------|-----------|
| Ex. | <u>14:2</u> | <u>7</u> |
| 1. | <u>710:10</u> | <u>71</u> |
| 2. | <u>12:3</u> | <u>4</u> |
| 3. | <u>111:37</u> | <u>3</u> |
| 4. | <u>48:2</u> | <u>24</u> |
| 5. | <u>136:8</u> | <u>17</u> |
| 6. | <u>174:6</u> | <u>29</u> |
| 7. | <u>54:2</u> | <u>27</u> |
| 8. | <u>26:2</u> | <u>13</u> |
| 9. | <u>265:53</u> | <u>5</u> |
| 10. | <u>42:3</u> | <u>14</u> |
| 11. | <u>52:4</u> | <u>13</u> |
| 12. | <u>56:4</u> | <u>14</u> |
| 13. | <u>35:5</u> | <u>7</u> |
| 14. | <u>28:4</u> | <u>7</u> |
| 15. | <u>40:4</u> | <u>10</u> |



Find the ratio and unit rate for each problem.

Answers

- Ex) 90 customers over 6 days 90:6 15 customers per day
- 1) 42 customers in 6 checkout lanes _____ _____ customers per lane
- 2) 18 pies eaten in 3 minutes _____ _____ pies per minute
- 3) 31 CDs with 124 songs _____ _____ songs per CD
- 4) 4 chocolate bars for \$12 _____ _____ dollars per bar
- 5) 114 cherry pieces in 6 bags of candy _____ _____ pieces per bag
- 6) 43 people bought 301 tickets _____ _____ tickets per person
- 7) 6 students earned 48 dollars total _____ _____ dollars per student
- 8) 4 tanks with 188 fish _____ _____ fish per tank
- 9) 5 bags with 105 cans _____ _____ cans per bag
- 10) 80 centimeters of snow in 5 hours _____ _____ centimeters per hour
- 11) 82 points for defeating 41 enemies _____ _____ points per enemy
- 12) 62 brownies took 186 cups of fudge _____ _____ cups per brownie
- 13) 6 trays with 30 ice cubes _____ _____ ice cubes per tray
- 14) 6 boxes can hold 54 books _____ _____ books per box
- 15) 4 game controllers had 40 buttons _____ _____ buttons per controller

- Ex. 90:6 15
- 1. _____ _____
- 2. _____ _____
- 3. _____ _____
- 4. _____ _____
- 5. _____ _____
- 6. _____ _____
- 7. _____ _____
- 8. _____ _____
- 9. _____ _____
- 10. _____ _____
- 11. _____ _____
- 12. _____ _____
- 13. _____ _____
- 14. _____ _____
- 15. _____ _____



Find the ratio and unit rate for each problem.

- | | | |
|-----------------------------------------|---------------|----------------------------------|
| Ex) 90 customers over 6 days | <u>90:6</u> | <u>15</u> customers per day |
| 1) 42 customers in 6 checkout lanes | <u>42:6</u> | <u>7</u> customers per lane |
| 2) 18 pies eaten in 3 minutes | <u>18:3</u> | <u>6</u> pies per minute |
| 3) 31 CDs with 124 songs | <u>124:31</u> | <u>4</u> songs per CD |
| 4) 4 chocolate bars for \$12 | <u>12:4</u> | <u>3</u> dollars per bar |
| 5) 114 cherry pieces in 6 bags of candy | <u>114:6</u> | <u>19</u> pieces per bag |
| 6) 43 people bought 301 tickets | <u>301:43</u> | <u>7</u> tickets per person |
| 7) 6 students earned 48 dollars total | <u>48:6</u> | <u>8</u> dollars per student |
| 8) 4 tanks with 188 fish | <u>188:4</u> | <u>47</u> fish per tank |
| 9) 5 bags with 105 cans | <u>105:5</u> | <u>21</u> cans per bag |
| 10) 80 centimeters of snow in 5 hours | <u>80:5</u> | <u>16</u> centimeters per hour |
| 11) 82 points for defeating 41 enemies | <u>82:41</u> | <u>2</u> points per enemy |
| 12) 62 brownies took 186 cups of fudge | <u>186:62</u> | <u>3</u> cups per brownie |
| 13) 6 trays with 30 ice cubes | <u>30:6</u> | <u>5</u> ice cubes per tray |
| 14) 6 boxes can hold 54 books | <u>54:6</u> | <u>9</u> books per box |
| 15) 4 game controllers had 40 buttons | <u>40:4</u> | <u>10</u> buttons per controller |

Answers

- | | | |
|-----|---------------|-----------|
| Ex. | <u>90:6</u> | <u>15</u> |
| 1. | <u>42:6</u> | <u>7</u> |
| 2. | <u>18:3</u> | <u>6</u> |
| 3. | <u>124:31</u> | <u>4</u> |
| 4. | <u>12:4</u> | <u>3</u> |
| 5. | <u>114:6</u> | <u>19</u> |
| 6. | <u>301:43</u> | <u>7</u> |
| 7. | <u>48:6</u> | <u>8</u> |
| 8. | <u>188:4</u> | <u>47</u> |
| 9. | <u>105:5</u> | <u>21</u> |
| 10. | <u>80:5</u> | <u>16</u> |
| 11. | <u>82:41</u> | <u>2</u> |
| 12. | <u>186:62</u> | <u>3</u> |
| 13. | <u>30:6</u> | <u>5</u> |
| 14. | <u>54:6</u> | <u>9</u> |
| 15. | <u>40:4</u> | <u>10</u> |



Find the ratio and unit rate for each problem.

Answers

Ex) 10 chocolate bars for \$20	<u>20:10</u>	<u>2</u> dollars per bar	Ex. <u>20:10</u>	<u>2</u>
1) 7 mail trucks had 35 bags of letters	_____	_____ bags per truck	1. _____	_____
2) 78 dollars for mowing 3 lawns	_____	_____ dollars per lawn	2. _____	_____
3) 2 boxes can hold 10 books	_____	_____ books per box	3. _____	_____
4) 2 bags with 196 cans	_____	_____ cans per bag	4. _____	_____
5) 6 cell phone covers for 24 dollars	_____	_____ dollars per cover	5. _____	_____
6) 14 pies eaten in 2 minutes	_____	_____ pies per minute	6. _____	_____
7) 60 pints of juice in 4 containers	_____	_____ pints per container	7. _____	_____
8) 6 movie tickets cost \$90	_____	_____ dollars per ticket	8. _____	_____
9) 37 CDs with 185 songs	_____	_____ songs per CD	9. _____	_____
10) 6 classrooms with 90 students	_____	_____ students per class	10. _____	_____
11) 22 people bought 110 tickets	_____	_____ tickets per person	11. _____	_____
12) 3 game controllers had 18 buttons	_____	_____ buttons per controller	12. _____	_____
13) 118 points for defeating 59 enemies	_____	_____ points per enemy	13. _____	_____
14) 6 minutes to type 564 words	_____	_____ words per minute	14. _____	_____
15) 288 centimeters of snow in 24 hours	_____	_____ centimeters per hour	15. _____	_____



Find the ratio and unit rate for each problem.

- Ex) 10 chocolate bars for \$20 20:10 2 dollars per bar
- 1) 7 mail trucks had 35 bags of letters 35:7 5 bags per truck
- 2) 78 dollars for mowing 3 lawns 78:3 26 dollars per lawn
- 3) 2 boxes can hold 10 books 10:2 5 books per box
- 4) 2 bags with 196 cans 196:2 98 cans per bag
- 5) 6 cell phone covers for 24 dollars 24:6 4 dollars per cover
- 6) 14 pies eaten in 2 minutes 14:2 7 pies per minute
- 7) 60 pints of juice in 4 containers 60:4 15 pints per container
- 8) 6 movie tickets cost \$90 90:6 15 dollars per ticket
- 9) 37 CDs with 185 songs 185:37 5 songs per CD
- 10) 6 classrooms with 90 students 90:6 15 students per class
- 11) 22 people bought 110 tickets 110:22 5 tickets per person
- 12) 3 game controllers had 18 buttons 18:3 6 buttons per controller
- 13) 118 points for defeating 59 enemies 118:59 2 points per enemy
- 14) 6 minutes to type 564 words 564:6 94 words per minute
- 15) 288 centimeters of snow in 24 hours 288:24 12 centimeters per hour

Answers

- Ex. 20:10 2
- 1. 35:7 5
- 2. 78:3 26
- 3. 10:2 5
- 4. 196:2 98
- 5. 24:6 4
- 6. 14:2 7
- 7. 60:4 15
- 8. 90:6 15
- 9. 185:37 5
- 10. 90:6 15
- 11. 110:22 5
- 12. 18:3 6
- 13. 118:59 2
- 14. 564:6 94
- 15. 288:24 12



Find the ratio and unit rate for each problem.

Answers

Ex) 5 bags with 295 cans	<u>295:5</u>	<u>59</u> cans per bag	Ex. <u>295:5</u>	<u>59</u>
1) 36 pints of juice in 4 containers	_____	_____ pints per container	1. _____	_____
2) 4 tanks with 308 fish	_____	_____ fish per tank	2. _____	_____
3) 36 people bought 396 tickets	_____	_____ tickets per person	3. _____	_____
4) 10 classrooms with 130 students	_____	_____ students per class	4. _____	_____
5) 7 game controllers had 63 buttons	_____	_____ buttons per controller	5. _____	_____
6) 90 dollars for 30 TV channels	_____	_____ dollars per channel	6. _____	_____
7) 108 dollars for mowing 6 lawns	_____	_____ dollars per lawn	7. _____	_____
8) 400 points for defeating 100 enemies	_____	_____ points per enemy	8. _____	_____
9) 9 hours to drive 513 miles	_____	_____ miles per hour	9. _____	_____
10) 32 customers in 4 checkout lanes	_____	_____ customers per lane	10. _____	_____
11) 108 customers over 6 days	_____	_____ customers per day	11. _____	_____
12) 7 cell phone covers for 42 dollars	_____	_____ dollars per cover	12. _____	_____
13) 3 minutes to type 339 words	_____	_____ words per minute	13. _____	_____
14) 40 copies in 4 minutes	_____	_____ copies per minute	14. _____	_____
15) 96 cherry pieces in 6 bags of candy	_____	_____ pieces per bag	15. _____	_____



Find the ratio and unit rate for each problem.

- Ex) 5 bags with 295 cans 295:5 59 cans per bag
- 1) 36 pints of juice in 4 containers 36:4 9 pints per container
- 2) 4 tanks with 308 fish 308:4 77 fish per tank
- 3) 36 people bought 396 tickets 396:36 11 tickets per person
- 4) 10 classrooms with 130 students 130:10 13 students per class
- 5) 7 game controllers had 63 buttons 63:7 9 buttons per controller
- 6) 90 dollars for 30 TV channels 90:30 3 dollars per channel
- 7) 108 dollars for mowing 6 lawns 108:6 18 dollars per lawn
- 8) 400 points for defeating 100 enemies 400:100 4 points per enemy
- 9) 9 hours to drive 513 miles 513:9 57 miles per hour
- 10) 32 customers in 4 checkout lanes 32:4 8 customers per lane
- 11) 108 customers over 6 days 108:6 18 customers per day
- 12) 7 cell phone covers for 42 dollars 42:7 6 dollars per cover
- 13) 3 minutes to type 339 words 339:3 113 words per minute
- 14) 40 copies in 4 minutes 40:4 10 copies per minute
- 15) 96 cherry pieces in 6 bags of candy 96:6 16 pieces per bag

Answers

- Ex. 295:5 59
1. 36:4 9
2. 308:4 77
3. 396:36 11
4. 130:10 13
5. 63:7 9
6. 90:30 3
7. 108:6 18
8. 400:100 4
9. 513:9 57
10. 32:4 8
11. 108:6 18
12. 42:7 6
13. 339:3 113
14. 40:4 10
15. 96:6 16



Find the ratio and unit rate for each problem.

Answers

- Ex) 5 tanks with 335 fish 335:5 67 fish per tank
- 1) 4 classrooms with 116 students _____ students per class
- 2) 51 dollars for mowing 3 lawns _____ dollars per lawn
- 3) 5 chocolate bars for \$15 _____ dollars per bar
- 4) 5 minutes to type 450 words _____ words per minute
- 5) 8 cell phone covers for 40 dollars _____ dollars per cover
- 6) 3 bags with 141 cans _____ cans per bag
- 7) 9 mail trucks had 126 bags of letters _____ bags per truck
- 8) 9 boxes can hold 63 books _____ books per box
- 9) 6 hours to drive 402 miles _____ miles per hour
- 10) 95 brownies took 285 cups of fudge _____ cups per brownie
- 11) 54 customers over 2 days _____ customers per day
- 12) 56 customers in 4 checkout lanes _____ customers per lane
- 13) 4 trays with 20 ice cubes _____ ice cubes per tray
- 14) 45 pints of juice in 3 containers _____ pints per container
- 15) 9 students earned 72 dollars total _____ dollars per student

- Ex. 335:5 67
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



Find the ratio and unit rate for each problem.

- Ex) 5 tanks with 335 fish $\frac{335:5}{}$ $\frac{67}{}$ fish per tank
- 1) 4 classrooms with 116 students $\frac{116:4}{}$ $\frac{29}{}$ students per class
- 2) 51 dollars for mowing 3 lawns $\frac{51:3}{}$ $\frac{17}{}$ dollars per lawn
- 3) 5 chocolate bars for \$15 $\frac{15:5}{}$ $\frac{3}{}$ dollars per bar
- 4) 5 minutes to type 450 words $\frac{450:5}{}$ $\frac{90}{}$ words per minute
- 5) 8 cell phone covers for 40 dollars $\frac{40:8}{}$ $\frac{5}{}$ dollars per cover
- 6) 3 bags with 141 cans $\frac{141:3}{}$ $\frac{47}{}$ cans per bag
- 7) 9 mail trucks had 126 bags of letters $\frac{126:9}{}$ $\frac{14}{}$ bags per truck
- 8) 9 boxes can hold 63 books $\frac{63:9}{}$ $\frac{7}{}$ books per box
- 9) 6 hours to drive 402 miles $\frac{402:6}{}$ $\frac{67}{}$ miles per hour
- 10) 95 brownies took 285 cups of fudge $\frac{285:95}{}$ $\frac{3}{}$ cups per brownie
- 11) 54 customers over 2 days $\frac{54:2}{}$ $\frac{27}{}$ customers per day
- 12) 56 customers in 4 checkout lanes $\frac{56:4}{}$ $\frac{14}{}$ customers per lane
- 13) 4 trays with 20 ice cubes $\frac{20:4}{}$ $\frac{5}{}$ ice cubes per tray
- 14) 45 pints of juice in 3 containers $\frac{45:3}{}$ $\frac{15}{}$ pints per container
- 15) 9 students earned 72 dollars total $\frac{72:9}{}$ $\frac{8}{}$ dollars per student

Answers

- Ex. $\frac{335:5}{}$ $\frac{67}{}$
1. $\frac{116:4}{}$ $\frac{29}{}$
2. $\frac{51:3}{}$ $\frac{17}{}$
3. $\frac{15:5}{}$ $\frac{3}{}$
4. $\frac{450:5}{}$ $\frac{90}{}$
5. $\frac{40:8}{}$ $\frac{5}{}$
6. $\frac{141:3}{}$ $\frac{47}{}$
7. $\frac{126:9}{}$ $\frac{14}{}$
8. $\frac{63:9}{}$ $\frac{7}{}$
9. $\frac{402:6}{}$ $\frac{67}{}$
10. $\frac{285:95}{}$ $\frac{3}{}$
11. $\frac{54:2}{}$ $\frac{27}{}$
12. $\frac{56:4}{}$ $\frac{14}{}$
13. $\frac{20:4}{}$ $\frac{5}{}$
14. $\frac{45:3}{}$ $\frac{15}{}$
15. $\frac{72:9}{}$ $\frac{8}{}$



Find the ratio and unit rate for each problem.

Answers

Ex) 23 CDs with 207 songs

207:23

9

songs per CD

Ex.

207:23

9

1) 36 customers in 4 checkout lanes

customers per lane

1.

2) 6 boxes can hold 60 books

books per box

2.

3) 76 pints of juice in 4 containers

pints per container

3.

4) 60 shirts for 120 dollars

dollars per shirt

5.

5) 4 trays with 24 ice cubes

ice cubes per tray

6.

6) 9 students earned 72 dollars total

dollars per student

8.

7) 7 hours of TV had 98 commercials

commercials per hour

9.

8) 63 copies in 9 minutes

copies per minute

10.

9) 336 cherry pieces in 8 bags of candy

pieces per bag

11.

10) 9 movie tickets cost \$126

dollars per ticket

13.

11) 132 points for defeating 44 enemies

points per enemy

14.

12) 3 minutes to type 297 words

words per minute

15.

13) 231 customers over 7 days

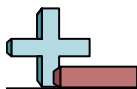
customers per day

14) 87 brownies took 174 cups of fudge

cups per brownie

15) 6 mail trucks had 66 bags of letters

bags per truck



Find the ratio and unit rate for each problem.

- Ex) 23 CDs with 207 songs $\frac{207:23}{9}$ songs per CD
- 1) 36 customers in 4 checkout lanes $\frac{36:4}{9}$ customers per lane
- 2) 6 boxes can hold 60 books $\frac{60:6}{10}$ books per box
- 3) 76 pints of juice in 4 containers $\frac{76:4}{19}$ pints per container
- 4) 60 shirts for 120 dollars $\frac{120:60}{2}$ dollars per shirt
- 5) 4 trays with 24 ice cubes $\frac{24:4}{6}$ ice cubes per tray
- 6) 9 students earned 72 dollars total $\frac{72:9}{8}$ dollars per student
- 7) 7 hours of TV had 98 commercials $\frac{98:7}{14}$ commercials per hour
- 8) 63 copies in 9 minutes $\frac{63:9}{7}$ copies per minute
- 9) 336 cherry pieces in 8 bags of candy $\frac{336:8}{42}$ pieces per bag
- 10) 9 movie tickets cost \$126 $\frac{126:9}{14}$ dollars per ticket
- 11) 132 points for defeating 44 enemies $\frac{132:44}{3}$ points per enemy
- 12) 3 minutes to type 297 words $\frac{297:3}{99}$ words per minute
- 13) 231 customers over 7 days $\frac{231:7}{33}$ customers per day
- 14) 87 brownies took 174 cups of fudge $\frac{174:87}{2}$ cups per brownie
- 15) 6 mail trucks had 66 bags of letters $\frac{66:6}{11}$ bags per truck

Answers

- Ex. $\frac{207:23}{9}$
1. $\frac{36:4}{9}$
2. $\frac{60:6}{10}$
3. $\frac{76:4}{19}$
4. $\frac{120:60}{2}$
5. $\frac{24:4}{6}$
6. $\frac{72:9}{8}$
7. $\frac{98:7}{14}$
8. $\frac{63:9}{7}$
9. $\frac{336:8}{42}$
10. $\frac{126:9}{14}$
11. $\frac{132:44}{3}$
12. $\frac{297:3}{99}$
13. $\frac{231:7}{33}$
14. $\frac{174:87}{2}$
15. $\frac{66:6}{11}$



Find the ratio and unit rate for each problem.

Answers

- Ex) 120 customers in 8 checkout lanes 120:8 15 customers per lane
- 1) 23 brownies took 46 cups of fudge _____ _____ cups per brownie
- 2) 9 game controllers had 54 buttons _____ _____ buttons per controller
- 3) 288 cherry pieces in 6 bags of candy _____ _____ pieces per bag
- 4) 7 classrooms with 245 students _____ _____ students per class
- 5) 168 customers over 6 days _____ _____ customers per day
- 6) 5 movie tickets cost \$95 _____ _____ dollars per ticket
- 7) 6 bags with 426 cans _____ _____ cans per bag
- 8) 2 tanks with 144 fish _____ _____ fish per tank
- 9) 56 centimeters of snow in 7 hours _____ _____ centimeters per hour
- 10) 23 CDs with 115 songs _____ _____ songs per CD
- 11) 36 people bought 252 tickets _____ _____ tickets per person
- 12) 12 pies eaten in 3 minutes _____ _____ pies per minute
- 13) 60 dollars for 30 TV channels _____ _____ dollars per channel
- 14) 35 pints of juice in 5 containers _____ _____ pints per container
- 15) 3 mail trucks had 12 bags of letters _____ _____ bags per truck

- Ex. 120:8 15
1. _____ _____
2. _____ _____
3. _____ _____
4. _____ _____
5. _____ _____
6. _____ _____
7. _____ _____
8. _____ _____
9. _____ _____
10. _____ _____
11. _____ _____
12. _____ _____
13. _____ _____
14. _____ _____
15. _____ _____



Find the ratio and unit rate for each problem.

- | | | | | |
|-----|--------------------------------------|---------------|-----------|------------------------|
| Ex) | 120 customers in 8 checkout lanes | <u>120:8</u> | <u>15</u> | customers per lane |
| 1) | 23 brownies took 46 cups of fudge | <u>46:23</u> | <u>2</u> | cups per brownie |
| 2) | 9 game controllers had 54 buttons | <u>54:9</u> | <u>6</u> | buttons per controller |
| 3) | 288 cherry pieces in 6 bags of candy | <u>288:6</u> | <u>48</u> | pieces per bag |
| 4) | 7 classrooms with 245 students | <u>245:7</u> | <u>35</u> | students per class |
| 5) | 168 customers over 6 days | <u>168:6</u> | <u>28</u> | customers per day |
| 6) | 5 movie tickets cost \$95 | <u>95:5</u> | <u>19</u> | dollars per ticket |
| 7) | 6 bags with 426 cans | <u>426:6</u> | <u>71</u> | cans per bag |
| 8) | 2 tanks with 144 fish | <u>144:2</u> | <u>72</u> | fish per tank |
| 9) | 56 centimeters of snow in 7 hours | <u>56:7</u> | <u>8</u> | centimeters per hour |
| 10) | 23 CDs with 115 songs | <u>115:23</u> | <u>5</u> | songs per CD |
| 11) | 36 people bought 252 tickets | <u>252:36</u> | <u>7</u> | tickets per person |
| 12) | 12 pies eaten in 3 minutes | <u>12:3</u> | <u>4</u> | pies per minute |
| 13) | 60 dollars for 30 TV channels | <u>60:30</u> | <u>2</u> | dollars per channel |
| 14) | 35 pints of juice in 5 containers | <u>35:5</u> | <u>7</u> | pints per container |
| 15) | 3 mail trucks had 12 bags of letters | <u>12:3</u> | <u>4</u> | bags per truck |

Answers

- | | | |
|-----|---------------|-----------|
| Ex. | <u>120:8</u> | <u>15</u> |
| 1. | <u>46:23</u> | <u>2</u> |
| 2. | <u>54:9</u> | <u>6</u> |
| 3. | <u>288:6</u> | <u>48</u> |
| 4. | <u>245:7</u> | <u>35</u> |
| 5. | <u>168:6</u> | <u>28</u> |
| 6. | <u>95:5</u> | <u>19</u> |
| 7. | <u>426:6</u> | <u>71</u> |
| 8. | <u>144:2</u> | <u>72</u> |
| 9. | <u>56:7</u> | <u>8</u> |
| 10. | <u>115:23</u> | <u>5</u> |
| 11. | <u>252:36</u> | <u>7</u> |
| 12. | <u>12:3</u> | <u>4</u> |
| 13. | <u>60:30</u> | <u>2</u> |
| 14. | <u>35:5</u> | <u>7</u> |
| 15. | <u>12:3</u> | <u>4</u> |



Find the ratio and unit rate for each problem.

Answers

- Ex) 3 minutes to type 243 words 243:3 81 words per minute
- 1) 3 students earned 21 dollars total _____ dollars per student
- 2) 6 mail trucks had 72 bags of letters _____ bags per truck
- 3) 132 points for defeating 44 enemies _____ points per enemy
- 4) 5 hours of TV had 55 commercials _____ commercials per hour
- 5) 112 centimeters of snow in 16 hours _____ centimeters per hour
- 6) 9 classrooms with 126 students _____ students per class
- 7) 4 tanks with 184 fish _____ fish per tank
- 8) 21 pies eaten in 3 minutes _____ pies per minute
- 9) 36 copies in 3 minutes _____ copies per minute
- 10) 58 brownies took 116 cups of fudge _____ cups per brownie
- 11) 85 pints of juice in 5 containers _____ pints per container
- 12) 7 bags with 329 cans _____ cans per bag
- 13) 2 movie tickets cost \$20 _____ dollars per ticket
- 14) 24 people bought 480 tickets _____ tickets per person
- 15) 77 shirts for 231 dollars _____ dollars per shirt

- Ex. 243:3 81
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



Find the ratio and unit rate for each problem.

- Ex) 3 minutes to type 243 words $\frac{243:3}{81}$ words per minute
- 1) 3 students earned 21 dollars total $\frac{21:3}{7}$ dollars per student
- 2) 6 mail trucks had 72 bags of letters $\frac{72:6}{12}$ bags per truck
- 3) 132 points for defeating 44 enemies $\frac{132:44}{3}$ points per enemy
- 4) 5 hours of TV had 55 commercials $\frac{55:5}{11}$ commercials per hour
- 5) 112 centimeters of snow in 16 hours $\frac{112:16}{7}$ centimeters per hour
- 6) 9 classrooms with 126 students $\frac{126:9}{14}$ students per class
- 7) 4 tanks with 184 fish $\frac{184:4}{46}$ fish per tank
- 8) 21 pies eaten in 3 minutes $\frac{21:3}{7}$ pies per minute
- 9) 36 copies in 3 minutes $\frac{36:3}{12}$ copies per minute
- 10) 58 brownies took 116 cups of fudge $\frac{116:58}{2}$ cups per brownie
- 11) 85 pints of juice in 5 containers $\frac{85:5}{17}$ pints per container
- 12) 7 bags with 329 cans $\frac{329:7}{47}$ cans per bag
- 13) 2 movie tickets cost \$20 $\frac{20:2}{10}$ dollars per ticket
- 14) 24 people bought 480 tickets $\frac{480:24}{20}$ tickets per person
- 15) 77 shirts for 231 dollars $\frac{231:77}{3}$ dollars per shirt

Answers

- Ex. $\frac{243:3}{81}$
1. $\frac{21:3}{7}$
2. $\frac{72:6}{12}$
3. $\frac{132:44}{3}$
4. $\frac{55:5}{11}$
5. $\frac{112:16}{7}$
6. $\frac{126:9}{14}$
7. $\frac{184:4}{46}$
8. $\frac{21:3}{7}$
9. $\frac{36:3}{12}$
10. $\frac{116:58}{2}$
11. $\frac{85:5}{17}$
12. $\frac{329:7}{47}$
13. $\frac{20:2}{10}$
14. $\frac{480:24}{20}$
15. $\frac{231:77}{3}$



Find the ratio and unit rate for each problem.

Answers

- Ex) 6 minutes to type 630 words 630:6 105 words per minute
- 1) 144 cherry pieces in 4 bags of candy _____ _____ pieces per bag
- 2) 4 cell phone covers for 24 dollars _____ _____ dollars per cover
- 3) 73 shirts for 511 dollars _____ _____ dollars per shirt
- 4) 91 copies in 7 minutes _____ _____ copies per minute
- 5) 60 dollars for 20 TV channels _____ _____ dollars per channel
- 6) 126 dollars for mowing 6 lawns _____ _____ dollars per lawn
- 7) 324 points for defeating 36 enemies _____ _____ points per enemy
- 8) 2 classrooms with 34 students _____ _____ students per class
- 9) 171 centimeters of snow in 9 hours _____ _____ centimeters per hour
- 10) 8 hours to drive 568 miles _____ _____ miles per hour
- 11) 3 chocolate bars for \$6 _____ _____ dollars per bar
- 12) 7 mail trucks had 84 bags of letters _____ _____ bags per truck
- 13) 2 hours of TV had 16 commercials _____ _____ commercials per hour
- 14) 6 trays with 42 ice cubes _____ _____ ice cubes per tray
- 15) 56 customers in 8 checkout lanes _____ _____ customers per lane

- Ex. 630:6 105
1. _____ _____
2. _____ _____
3. _____ _____
4. _____ _____
5. _____ _____
6. _____ _____
7. _____ _____
8. _____ _____
9. _____ _____
10. _____ _____
11. _____ _____
12. _____ _____
13. _____ _____
14. _____ _____
15. _____ _____



Find the ratio and unit rate for each problem.

- Ex) 6 minutes to type 630 words $\frac{630:6}{105}$ words per minute
- 1) 144 cherry pieces in 4 bags of candy $\frac{144:4}{36}$ pieces per bag
- 2) 4 cell phone covers for 24 dollars $\frac{24:4}{6}$ dollars per cover
- 3) 73 shirts for 511 dollars $\frac{511:73}{7}$ dollars per shirt
- 4) 91 copies in 7 minutes $\frac{91:7}{13}$ copies per minute
- 5) 60 dollars for 20 TV channels $\frac{60:20}{3}$ dollars per channel
- 6) 126 dollars for mowing 6 lawns $\frac{126:6}{21}$ dollars per lawn
- 7) 324 points for defeating 36 enemies $\frac{324:36}{9}$ points per enemy
- 8) 2 classrooms with 34 students $\frac{34:2}{17}$ students per class
- 9) 171 centimeters of snow in 9 hours $\frac{171:9}{19}$ centimeters per hour
- 10) 8 hours to drive 568 miles $\frac{568:8}{71}$ miles per hour
- 11) 3 chocolate bars for \$6 $\frac{6:3}{2}$ dollars per bar
- 12) 7 mail trucks had 84 bags of letters $\frac{84:7}{12}$ bags per truck
- 13) 2 hours of TV had 16 commercials $\frac{16:2}{8}$ commercials per hour
- 14) 6 trays with 42 ice cubes $\frac{42:6}{7}$ ice cubes per tray
- 15) 56 customers in 8 checkout lanes $\frac{56:8}{7}$ customers per lane

Answers

- Ex. $\frac{630:6}{105}$
1. $\frac{144:4}{36}$
2. $\frac{24:4}{6}$
3. $\frac{511:73}{7}$
4. $\frac{91:7}{13}$
5. $\frac{60:20}{3}$
6. $\frac{126:6}{21}$
7. $\frac{324:36}{9}$
8. $\frac{34:2}{17}$
9. $\frac{171:9}{19}$
10. $\frac{568:8}{71}$
11. $\frac{6:3}{2}$
12. $\frac{84:7}{12}$
13. $\frac{16:2}{8}$
14. $\frac{42:6}{7}$
15. $\frac{56:8}{7}$

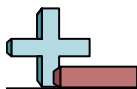


Find the ratio and unit rate for each problem.

Answers

- Ex) 16 copies in 2 minutes 16:2 8 copies per minute
- 1) 6 bags with 216 cans _____ _____ cans per bag
- 2) 2 movie tickets cost \$30 _____ _____ dollars per ticket
- 3) 18 centimeters of snow in 2 hours _____ _____ centimeters per hour
- 4) 6 mail trucks had 60 bags of letters _____ _____ bags per truck
- 5) 9 boxes can hold 45 books _____ _____ books per box
- 6) 3 hours to drive 189 miles _____ _____ miles per hour
- 7) 48 CDs with 432 songs _____ _____ songs per CD
- 8) 35 shirts for 105 dollars _____ _____ dollars per shirt
- 9) 8 trays with 56 ice cubes _____ _____ ice cubes per tray
- 10) 9 game controllers had 90 buttons _____ _____ buttons per controller
- 11) 2 tanks with 98 fish _____ _____ fish per tank
- 12) 28 pints of juice in 4 containers _____ _____ pints per container
- 13) 189 cherry pieces in 7 bags of candy _____ _____ pieces per bag
- 14) 105 dollars for 35 TV channels _____ _____ dollars per channel
- 15) 99 customers over 3 days _____ _____ customers per day

- Ex. 16:2 8
1. _____ _____
2. _____ _____
3. _____ _____
4. _____ _____
5. _____ _____
6. _____ _____
7. _____ _____
8. _____ _____
9. _____ _____
10. _____ _____
11. _____ _____
12. _____ _____
13. _____ _____
14. _____ _____
15. _____ _____



Find the ratio and unit rate for each problem.

- | | | | | |
|-----|--------------------------------------|---------------|-----------|------------------------|
| Ex) | 16 copies in 2 minutes | <u>16:2</u> | <u>8</u> | copies per minute |
| 1) | 6 bags with 216 cans | <u>216:6</u> | <u>36</u> | cans per bag |
| 2) | 2 movie tickets cost \$30 | <u>30:2</u> | <u>15</u> | dollars per ticket |
| 3) | 18 centimeters of snow in 2 hours | <u>18:2</u> | <u>9</u> | centimeters per hour |
| 4) | 6 mail trucks had 60 bags of letters | <u>60:6</u> | <u>10</u> | bags per truck |
| 5) | 9 boxes can hold 45 books | <u>45:9</u> | <u>5</u> | books per box |
| 6) | 3 hours to drive 189 miles | <u>189:3</u> | <u>63</u> | miles per hour |
| 7) | 48 CDs with 432 songs | <u>432:48</u> | <u>9</u> | songs per CD |
| 8) | 35 shirts for 105 dollars | <u>105:35</u> | <u>3</u> | dollars per shirt |
| 9) | 8 trays with 56 ice cubes | <u>56:8</u> | <u>7</u> | ice cubes per tray |
| 10) | 9 game controllers had 90 buttons | <u>90:9</u> | <u>10</u> | buttons per controller |
| 11) | 2 tanks with 98 fish | <u>98:2</u> | <u>49</u> | fish per tank |
| 12) | 28 pints of juice in 4 containers | <u>28:4</u> | <u>7</u> | pints per container |
| 13) | 189 cherry pieces in 7 bags of candy | <u>189:7</u> | <u>27</u> | pieces per bag |
| 14) | 105 dollars for 35 TV channels | <u>105:35</u> | <u>3</u> | dollars per channel |
| 15) | 99 customers over 3 days | <u>99:3</u> | <u>33</u> | customers per day |

Answers

- | | | |
|-----|---------------|-----------|
| Ex. | <u>16:2</u> | <u>8</u> |
| 1. | <u>216:6</u> | <u>36</u> |
| 2. | <u>30:2</u> | <u>15</u> |
| 3. | <u>18:2</u> | <u>9</u> |
| 4. | <u>60:6</u> | <u>10</u> |
| 5. | <u>45:9</u> | <u>5</u> |
| 6. | <u>189:3</u> | <u>63</u> |
| 7. | <u>432:48</u> | <u>9</u> |
| 8. | <u>105:35</u> | <u>3</u> |
| 9. | <u>56:8</u> | <u>7</u> |
| 10. | <u>90:9</u> | <u>10</u> |
| 11. | <u>98:2</u> | <u>49</u> |
| 12. | <u>28:4</u> | <u>7</u> |
| 13. | <u>189:7</u> | <u>27</u> |
| 14. | <u>105:35</u> | <u>3</u> |
| 15. | <u>99:3</u> | <u>33</u> |