



Find the ratio and unit rate for each problem.

- 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

Answers

- 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.

- 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

Answers

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

Answers

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



Find the ratio and unit rate for each problem.

Answers

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

- Ex. 20:10 2
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) 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

295:5 59 cans per bag

Ex. 295:5 59

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

6. _____

6) 90 dollars for 30 TV channels

_____ _____ dollars per channel

7. _____

7) 108 dollars for mowing 6 lawns

_____ _____ dollars per lawn

8. _____

8) 400 points for defeating 100 enemies

_____ _____ points per enemy

9. _____

9) 9 hours to drive 513 miles

_____ _____ miles per hour

10. _____

10) 32 customers in 4 checkout lanes

_____ _____ customers per lane

11. _____

11) 108 customers over 6 days

_____ _____ customers per day

12. _____

12) 7 cell phone covers for 42 dollars

_____ _____ dollars per cover

13. _____

13) 3 minutes to type 339 words

_____ _____ words per minute

14. _____

14) 40 copies in 4 minutes

_____ _____ copies per minute

15. _____

15) 96 cherry pieces in 6 bags of candy

_____ _____ pieces per bag



Find the ratio and unit rate for each problem.

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

Answers

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



Find the ratio and unit rate for each problem.

- 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

Answers

- 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	<u>207:23</u>	<u>9</u> songs per CD	Ex. <u>207:23</u>	<u>9</u>
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	4. _____	_____
5) 4 trays with 24 ice cubes	_____	_____ ice cubes per tray	5. _____	_____
6) 9 students earned 72 dollars total	_____	_____ dollars per student	6. _____	_____
7) 7 hours of TV had 98 commercials	_____	_____ commercials per hour	7. _____	_____
8) 63 copies in 9 minutes	_____	_____ copies per minute	8. _____	_____
9) 336 cherry pieces in 8 bags of candy	_____	_____ pieces per bag	9. _____	_____
10) 9 movie tickets cost \$126	_____	_____ dollars per ticket	10. _____	_____
11) 132 points for defeating 44 enemies	_____	_____ points per enemy	11. _____	_____
12) 3 minutes to type 297 words	_____	_____ words per minute	12. _____	_____
13) 231 customers over 7 days	_____	_____ customers per day	13. _____	_____
14) 87 brownies took 174 cups of fudge	_____	_____ cups per brownie	14. _____	_____
15) 6 mail trucks had 66 bags of letters	_____	_____ bags per truck	15. _____	_____



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.

- 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

Answers

- 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> |