



Find the ratio and unit rate for each problem.

Answers

- Ex) 17 CDs with 34 songs      34:17      2 songs per CD
- 1) 4 minutes to type 472 words      \_\_\_\_\_      \_\_\_\_\_ words per minute
- 2) 32 people bought 96 tickets      \_\_\_\_\_      \_\_\_\_\_ tickets per person
- 3) 88 copies in 8 minutes      \_\_\_\_\_      \_\_\_\_\_ copies per minute
- 4) 5 movie tickets cost \$80      \_\_\_\_\_      \_\_\_\_\_ dollars per ticket
- 5) 2 classrooms with 70 students      \_\_\_\_\_      \_\_\_\_\_ students per class
- 6) 3 tanks with 171 fish      \_\_\_\_\_      \_\_\_\_\_ fish per tank
- 7) 26 customers over 2 days      \_\_\_\_\_      \_\_\_\_\_ customers per day
- 8) 7 boxes can hold 70 books      \_\_\_\_\_      \_\_\_\_\_ books per box
- 9) 8 trays with 48 ice cubes      \_\_\_\_\_      \_\_\_\_\_ ice cubes per tray
- 10) 168 centimeters of snow in 12 hours      \_\_\_\_\_      \_\_\_\_\_ centimeters per hour
- 11) 21 pies eaten in 3 minutes      \_\_\_\_\_      \_\_\_\_\_ pies per minute
- 12) 2 hours of TV had 20 commercials      \_\_\_\_\_      \_\_\_\_\_ commercials per hour
- 13) 3 bags with 234 cans      \_\_\_\_\_      \_\_\_\_\_ cans per bag
- 14) 2 game controllers had 16 buttons      \_\_\_\_\_      \_\_\_\_\_ buttons per controller
- 15) 32 shirts for 128 dollars      \_\_\_\_\_      \_\_\_\_\_ dollars per shirt

- Ex. 34:17      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) | 17 CDs with 34 songs                | <u>34:17</u>  | <u>2</u>   | songs per CD           |
| 1)  | 4 minutes to type 472 words         | <u>472:4</u>  | <u>118</u> | words per minute       |
| 2)  | 32 people bought 96 tickets         | <u>96:32</u>  | <u>3</u>   | tickets per person     |
| 3)  | 88 copies in 8 minutes              | <u>88:8</u>   | <u>11</u>  | copies per minute      |
| 4)  | 5 movie tickets cost \$80           | <u>80:5</u>   | <u>16</u>  | dollars per ticket     |
| 5)  | 2 classrooms with 70 students       | <u>70:2</u>   | <u>35</u>  | students per class     |
| 6)  | 3 tanks with 171 fish               | <u>171:3</u>  | <u>57</u>  | fish per tank          |
| 7)  | 26 customers over 2 days            | <u>26:2</u>   | <u>13</u>  | customers per day      |
| 8)  | 7 boxes can hold 70 books           | <u>70:7</u>   | <u>10</u>  | books per box          |
| 9)  | 8 trays with 48 ice cubes           | <u>48:8</u>   | <u>6</u>   | ice cubes per tray     |
| 10) | 168 centimeters of snow in 12 hours | <u>168:12</u> | <u>14</u>  | centimeters per hour   |
| 11) | 21 pies eaten in 3 minutes          | <u>21:3</u>   | <u>7</u>   | pies per minute        |
| 12) | 2 hours of TV had 20 commercials    | <u>20:2</u>   | <u>10</u>  | commercials per hour   |
| 13) | 3 bags with 234 cans                | <u>234:3</u>  | <u>78</u>  | cans per bag           |
| 14) | 2 game controllers had 16 buttons   | <u>16:2</u>   | <u>8</u>   | buttons per controller |
| 15) | 32 shirts for 128 dollars           | <u>128:32</u> | <u>4</u>   | dollars per shirt      |

Answers

- |     |               |            |
|-----|---------------|------------|
| Ex. | <u>34:17</u>  | <u>2</u>   |
| 1.  | <u>472:4</u>  | <u>118</u> |
| 2.  | <u>96:32</u>  | <u>3</u>   |
| 3.  | <u>88:8</u>   | <u>11</u>  |
| 4.  | <u>80:5</u>   | <u>16</u>  |
| 5.  | <u>70:2</u>   | <u>35</u>  |
| 6.  | <u>171:3</u>  | <u>57</u>  |
| 7.  | <u>26:2</u>   | <u>13</u>  |
| 8.  | <u>70:7</u>   | <u>10</u>  |
| 9.  | <u>48:8</u>   | <u>6</u>   |
| 10. | <u>168:12</u> | <u>14</u>  |
| 11. | <u>21:3</u>   | <u>7</u>   |
| 12. | <u>20:2</u>   | <u>10</u>  |
| 13. | <u>234:3</u>  | <u>78</u>  |
| 14. | <u>16:2</u>   | <u>8</u>   |
| 15. | <u>128:32</u> | <u>4</u>   |