



Determine the constant of proportionality for each table. Express your answer as  $y = kx$

**Answers**

Ex)

|                                |    |    |    |    |    |
|--------------------------------|----|----|----|----|----|
| <b>Glasses of Lemonade (x)</b> | 6  | 10 | 9  | 5  | 3  |
| <b>Lemons Used (y)</b>         | 24 | 40 | 36 | 20 | 12 |

Ex.  $y = 4x$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

For every glass of lemonade there were 4 lemons used.

1)

|                            |     |     |    |     |     |
|----------------------------|-----|-----|----|-----|-----|
| <b>Boxes of Candy (x)</b>  | 9   | 6   | 4  | 10  | 7   |
| <b>Pieces of Candy (y)</b> | 171 | 114 | 76 | 190 | 133 |

For every box of candy you get \_\_\_\_\_ pieces.

2)

|                              |    |    |   |    |    |
|------------------------------|----|----|---|----|----|
| <b>Pieces of Chicken (x)</b> | 6  | 8  | 2 | 10 | 9  |
| <b>Price in dollars (y)</b>  | 12 | 16 | 4 | 20 | 18 |

For each piece of chicken it costs \_\_\_\_\_ dollars.

3)

|                            |     |     |     |    |    |
|----------------------------|-----|-----|-----|----|----|
| <b>Votes for Maria (x)</b> | 8   | 9   | 6   | 3  | 4  |
| <b>Votes for Cody (y)</b>  | 136 | 153 | 102 | 51 | 68 |

For Every vote for Maria there were \_\_\_\_\_ votes for Cody.

4)

|  |     |     |    |     |    |
|--|-----|-----|----|-----|----|
| <b>Time in minute (x)</b>              | 5   | 4   | 2  | 7   | 3  |
| <b>Distance traveled in meters (y)</b> | 145 | 116 | 58 | 203 | 87 |

Every minute \_\_\_\_\_ meters are travelled.

5)

|                                 |    |     |    |    |    |
|---------------------------------|----|-----|----|----|----|
| <b>Pounds of Beef Jerky (x)</b> | 3  | 10  | 4  | 5  | 9  |
| <b>Price in dollars (y)</b>     | 30 | 100 | 40 | 50 | 90 |

For every pound of beef jerky it cost \_\_\_\_\_ dollars.

6)

|                         |    |     |     |    |    |
|-------------------------|----|-----|-----|----|----|
| <b>Tickets Sold (x)</b> | 2  | 10  | 9   | 5  | 6  |
| <b>Money Earned (y)</b> | 28 | 140 | 126 | 70 | 84 |

Every ticket sold \_\_\_\_\_ dollars are earned.

7)

|                         |     |    |    |    |     |
|-------------------------|-----|----|----|----|-----|
| <b>Phone Sold (x)</b>   | 10  | 6  | 3  | 5  | 9   |
| <b>Money Earned (y)</b> | 160 | 96 | 48 | 80 | 144 |

Every phone sold earns \_\_\_\_\_ dollars.

8)

|                           |     |     |     |     |     |
|---------------------------|-----|-----|-----|-----|-----|
| <b>Lawns Mowed (x)</b>    | 10  | 7   | 5   | 9   | 4   |
| <b>Dollars Earned (y)</b> | 360 | 252 | 180 | 324 | 144 |

For every lawn mowed \_\_\_\_\_ dollars were earned.

Determine the constant of proportionality for each table. Express your answer as  $y = kx$ **Answers**

Ex)

|                                |    |    |    |    |    |
|--------------------------------|----|----|----|----|----|
| <b>Glasses of Lemonade (x)</b> | 6  | 10 | 9  | 5  | 3  |
| <b>Lemons Used (y)</b>         | 24 | 40 | 36 | 20 | 12 |

Ex.  $y = 4x$

For every glass of lemonade there were 4 lemons used.

1.  $y = 19x$

1)

|                            |     |     |    |     |     |
|----------------------------|-----|-----|----|-----|-----|
| <b>Boxes of Candy (x)</b>  | 9   | 6   | 4  | 10  | 7   |
| <b>Pieces of Candy (y)</b> | 171 | 114 | 76 | 190 | 133 |

2.  $y = 2x$

For every box of candy you get 19 pieces.

3.  $y = 17x$

2)

|                              |    |    |   |    |    |
|------------------------------|----|----|---|----|----|
| <b>Pieces of Chicken (x)</b> | 6  | 8  | 2 | 10 | 9  |
| <b>Price in dollars (y)</b>  | 12 | 16 | 4 | 20 | 18 |

4.  $y = 29x$

For each piece of chicken it costs 2 dollars.

5.  $y = 10x$

3)

|                            |     |     |     |    |    |
|----------------------------|-----|-----|-----|----|----|
| <b>Votes for Maria (x)</b> | 8   | 9   | 6   | 3  | 4  |
| <b>Votes for Cody (y)</b>  | 136 | 153 | 102 | 51 | 68 |

6.  $y = 14x$

For Every vote for Maria there were 17 votes for Cody.

7.  $y = 16x$

4)

|  |     |     |    |     |    |
|--|-----|-----|----|-----|----|
| <b>Time in minute (x)</b>              | 5   | 4   | 2  | 7   | 3  |
| <b>Distance traveled in meters (y)</b> | 145 | 116 | 58 | 203 | 87 |

8.  $y = 36x$

Every minute 29 meters are travelled.

5)

|                                 |    |     |    |    |    |
|---------------------------------|----|-----|----|----|----|
| <b>Pounds of Beef Jerky (x)</b> | 3  | 10  | 4  | 5  | 9  |
| <b>Price in dollars (y)</b>     | 30 | 100 | 40 | 50 | 90 |

For every pound of beef jerky it cost 10 dollars.

6)

|                         |    |     |     |    |    |
|-------------------------|----|-----|-----|----|----|
| <b>Tickets Sold (x)</b> | 2  | 10  | 9   | 5  | 6  |
| <b>Money Earned (y)</b> | 28 | 140 | 126 | 70 | 84 |

Every ticket sold 14 dollars are earned.

7)

|                         |     |    |    |    |     |
|-------------------------|-----|----|----|----|-----|
| <b>Phone Sold (x)</b>   | 10  | 6  | 3  | 5  | 9   |
| <b>Money Earned (y)</b> | 160 | 96 | 48 | 80 | 144 |

Every phone sold earns 16 dollars.

8)

|                           |     |     |     |     |     |
|---------------------------|-----|-----|-----|-----|-----|
| <b>Lawns Mowed (x)</b>    | 10  | 7   | 5   | 9   | 4   |
| <b>Dollars Earned (y)</b> | 360 | 252 | 180 | 324 | 144 |

For every lawn mowed 36 dollars were earned.