

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

For every glass of lemonade there were 4 lemons used.

Ex.  $y = 4x$

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.

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

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

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

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.

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

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

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

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.

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

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

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.