

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

Ex)

Glasses of Lemonade (x)	6	10	9	5	3
Lemons Used (y)	24	40	36	20	12

Ex. $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. _____

1)

Boxes of Candy (x)	9	6	4	10	7
Pieces of Candy (y)	171	114	76	190	133

2. _____

For every box of candy you get _____ pieces.

3. _____

2)

Pieces of Chicken (x)	6	8	2	10	9
Price in dollars (y)	12	16	4	20	18

4. _____

For each piece of chicken it costs _____ dollars.

5. _____

3)

Votes for Maria (x)	8	9	6	3	4
Votes for Cody (y)	136	153	102	51	68

6. _____

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

7. _____

4)

Time in minute (x)	5	4	2	7	3
Distance traveled in meters (y)	145	116	58	203	87

8. _____

Every minute _____ meters are travelled.

5)

Pounds of Beef Jerky (x)	3	10	4	5	9
Price in dollars (y)	30	100	40	50	90

For every pound of beef jerky it cost _____ dollars.

6)

Tickets Sold (x)	2	10	9	5	6
Money Earned (y)	28	140	126	70	84

Every ticket sold _____ dollars are earned.

7)

Phone Sold (x)	10	6	3	5	9
Money Earned (y)	160	96	48	80	144

Every phone sold earns _____ dollars.

8)

Lawns Mowed (x)	10	7	5	9	4
Dollars Earned (y)	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)

Glasses of Lemonade (x)	6	10	9	5	3
Lemons Used (y)	24	40	36	20	12

Ex. $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. $y = 19x$

1)

Boxes of Candy (x)	9	6	4	10	7
Pieces of Candy (y)	171	114	76	190	133

2. $y = 2x$

For every box of candy you get 19 pieces.

3. $y = 17x$

2)

Pieces of Chicken (x)	6	8	2	10	9
Price in dollars (y)	12	16	4	20	18

4. $y = 29x$

For each piece of chicken it costs 2 dollars.

5. $y = 10x$

3)

Votes for Maria (x)	8	9	6	3	4
Votes for Cody (y)	136	153	102	51	68

6. $y = 14x$

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

7. $y = 16x$

4)

Time in minute (x)	5	4	2	7	3
Distance traveled in meters (y)	145	116	58	203	87

8. $y = 36x$

Every minute 29 meters are travelled.

5)

Pounds of Beef Jerky (x)	3	10	4	5	9
Price in dollars (y)	30	100	40	50	90

For every pound of beef jerky it cost 10 dollars.

6)

Tickets Sold (x)	2	10	9	5	6
Money Earned (y)	28	140	126	70	84

Every ticket sold 14 dollars are earned.

7)

Phone Sold (x)	10	6	3	5	9
Money Earned (y)	160	96	48	80	144

Every phone sold earns 16 dollars.

8)

Lawns Mowed (x)	10	7	5	9	4
Dollars Earned (y)	360	252	180	324	144

For every lawn mowed 36 dollars were earned.