Identifying Constant of Proportionality (Tables) Name:

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

Ex)

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

For every glass of lemonade there were 4 lemons used.

1)

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

For every box of candy you get _____ pieces.

2)

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

For each piece of chicken it costs _____ dollars.

3)

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

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

4)

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

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.

Answers

Ex. y = 4x

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Identifying Constant of Proportionality (Tables) Name: **Answer Key**

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

Ex)

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

For every glass of lemonade there were 4 lemons used.

1)

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

For every box of candy you get 19 pieces.

2)

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

For each piece of chicken it costs 2 dollars.

3)

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

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

4)

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

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.

Answers

Ex. y = 4x

1. y = 19x
2. y = 2x
3. y = 17x
4. y = 29x
5. y = 10x
6. y = 14x
7. y = 16x
8. y = 36x

1-8	88	75	63	50	38	25	13	0