



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

Answers

Ex)

Votes for Faye (x)	9	5	7	2	3
Votes for Roger (y)	333	185	259	74	111

Ex. $y = 37x$

For Every vote for Faye there were 37 votes for Roger.

1. _____

1)

Cans of Paint (x)	6	4	10	8	9
Bird Houses Painted (y)	30	20	50	40	45

2. _____

For every can of paint you could paint _____ bird houses.

3. _____

2)

Glasses of Lemonade (x)	10	8	9	7	4
Lemons Used (y)	30	24	27	21	12

4. _____

For every glass of lemonade there were _____ lemons used.

5. _____

3)

Chocolate Bars (x)	4	3	5	2	10
Calories (y)	1,272	954	1,590	636	3,180

6. _____

Every chocolate bar has _____ calories.

7. _____

4)

Lawns Mowed (x)	4	9	7	5	10
Dollars Earned (y)	172	387	301	215	430

8. _____

For every lawn mowed _____ dollars were earned.

5)

Concrete Blocks (x)	3	5	9	7	4
weight in kilograms (y)	24	40	72	56	32

Every concrete block weighs _____ kilograms.

6)

Boxes of Candy (x)	3	8	5	7	2
Pieces of Candy (y)	45	120	75	105	30

For every box of candy you get _____ pieces.

7)

Enemies Destroyed (x)	5	6	3	4	7
Points Earned (y)	155	186	93	124	217

Every enemy destroyed earns _____ points.

8)

Pounds of Beef Jerky (x)	8	2	3	6	9
Price in dollars (y)	128	32	48	96	144

For every pound of beef jerky it cost _____ dollars.

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

Ex)

Votes for Faye (x)	9	5	7	2	3
Votes for Roger (y)	333	185	259	74	111

Ex. $y = 37x$

For Every vote for Faye there were 37 votes for Roger.

1. $y = 5x$

1)

Cans of Paint (x)	6	4	10	8	9
Bird Houses Painted (y)	30	20	50	40	45

2. $y = 3x$

For every can of paint you could paint 5 bird houses.

3. $y = 318x$

2)

Glasses of Lemonade (x)	10	8	9	7	4
Lemons Used (y)	30	24	27	21	12

4. $y = 43x$

For every glass of lemonade there were 3 lemons used.

5. $y = 8x$

3)

Chocolate Bars (x)	4	3	5	2	10
Calories (y)	1,272	954	1,590	636	3,180

6. $y = 15x$

Every chocolate bar has 318 calories.

7. $y = 31x$

4)

Lawns Mowed (x)	4	9	7	5	10
Dollars Earned (y)	172	387	301	215	430

8. $y = 16x$

For every lawn mowed 43 dollars were earned.

5)

Concrete Blocks (x)	3	5	9	7	4
weight in kilograms (y)	24	40	72	56	32

Every concrete block weighs 8 kilograms.

6)

Boxes of Candy (x)	3	8	5	7	2
Pieces of Candy (y)	45	120	75	105	30

For every box of candy you get 15 pieces.

7)

Enemies Destroyed (x)	5	6	3	4	7
Points Earned (y)	155	186	93	124	217

Every enemy destroyed earns 31 points.

8)

Pounds of Beef Jerky (x)	8	2	3	6	9
Price in dollars (y)	128	32	48	96	144

For every pound of beef jerky it cost 16 dollars.