

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

Ex)

Time in minute (x)	5	10	7	2	9
Gallons of Water Used (y)	195	390	273	78	351

Every minute 39 gallons of water are used.Ex. $y = 39x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

1)

Chocolate Bars (x)	4	5	9	3	8
Calories (y)	1,320	1,650	2,970	990	2,640

Every chocolate bar has _____ calories.

2)

Pounds of Beef Jerky (x)	8	7	9	4	3
Price in dollars (y)	104	91	117	52	39

For every pound of beef jerky it cost _____ dollars.

3)

Enemies Destroyed (x)	10	9	7	8	3
Points Earned (y)	160	144	112	128	48

Every enemy destroyed earns _____ points.

4)

Votes for Maria (x)	9	4	10	6	7
Votes for George (y)	423	188	470	282	329

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

5)

Pieces of Chicken (x)	3	9	2	7	6
Price in dollars (y)	6	18	4	14	12

For each piece of chicken it costs _____ dollars.

6)

Phone Sold (x)	8	6	5	4	9
Money Earned (y)	248	186	155	124	279

Every phone sold earns _____ dollars.

7)

Lawns Mowed (x)	6	9	10	8	5
Dollars Earned (y)	270	405	450	360	225

For every lawn mowed _____ dollars were earned.

8)

Boxes of Candy (x)	2	9	4	3	7
Pieces of Candy (y)	34	153	68	51	119

For every box of candy you get _____ pieces.

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Ex)

Time in minute (x)	5	10	7	2	9
Gallons of Water Used (y)	195	390	273	78	351

Every minute 39 gallons of water are used.

Ex. $y = 39x$

1)

Chocolate Bars (x)	4	5	9	3	8
Calories (y)	1,320	1,650	2,970	990	2,640

Every chocolate bar has 330 calories.

1. $y = 330x$

2)

Pounds of Beef Jerky (x)	8	7	9	4	3
Price in dollars (y)	104	91	117	52	39

For every pound of beef jerky it cost 13 dollars.

2. $y = 13x$

3)

Enemies Destroyed (x)	10	9	7	8	3
Points Earned (y)	160	144	112	128	48

Every enemy destroyed earns 16 points.

3. $y = 16x$

4)

Votes for Maria (x)	9	4	10	6	7
Votes for George (y)	423	188	470	282	329

For Every vote for Maria there were 47 votes for George.

4. $y = 47x$

5)

Pieces of Chicken (x)	3	9	2	7	6
Price in dollars (y)	6	18	4	14	12

For each piece of chicken it costs 2 dollars.

5. $y = 2x$

6)

Phone Sold (x)	8	6	5	4	9
Money Earned (y)	248	186	155	124	279

Every phone sold earns 31 dollars.

6. $y = 31x$

7)

Lawns Mowed (x)	6	9	10	8	5
Dollars Earned (y)	270	405	450	360	225

For every lawn mowed 45 dollars were earned.

7. $y = 45x$

8)

Boxes of Candy (x)	2	9	4	3	7
Pieces of Candy (y)	34	153	68	51	119

For every box of candy you get 17 pieces.

8. $y = 17x$