



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

**Answers**

Ex)

<b>Time in minute (x)</b>	5	10	7	2	9
<b>Gallons of Water Used (y)</b>	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)

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

Every chocolate bar has \_\_\_\_\_ calories.

2)

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

For every pound of beef jerky it cost \_\_\_\_\_ dollars.

3)

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

Every enemy destroyed earns \_\_\_\_\_ points.

4)

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

For Every vote for Maria there were \_\_\_\_\_ votes for George.

5)

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

For each piece of chicken it costs \_\_\_\_\_ dollars.

6)

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

Every phone sold earns \_\_\_\_\_ dollars.

7)

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

For every lawn mowed \_\_\_\_\_ dollars were earned.

8)

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

For every box of candy you get \_\_\_\_\_ pieces.

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

Ex)

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

Every minute 39 gallons of water are used.

Ex.  $y = 39x$

1)

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

Every chocolate bar has 330 calories.

1.  $y = 330x$

2)

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

For every pound of beef jerky it cost 13 dollars.

2.  $y = 13x$

3)

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

Every enemy destroyed earns 16 points.

3.  $y = 16x$

4)

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

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

4.  $y = 47x$

5)

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

For each piece of chicken it costs 2 dollars.

5.  $y = 2x$

6)

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

Every phone sold earns 31 dollars.

6.  $y = 31x$

7)

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

For every lawn mowed 45 dollars were earned.

7.  $y = 45x$

8)

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

For every box of candy you get 17 pieces.

8.  $y = 17x$