

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

Ex)

<b>Pounds of Beef Jerky (x)</b>	3	8	4	5	7
<b>Price in dollars (y)</b>	39	104	52	65	91

For every pound of beef jerky it cost 13 dollars.Ex.  $y = 13x$ 

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

1)

<b>Votes for Sarah (x)</b>	7	3	9	10	2
<b>Votes for Ned (y)</b>	287	123	369	410	82

For Every vote for Sarah there were \_\_\_\_\_ votes for Ned.

2)

<b>Tickets Sold (x)</b>	9	8	10	2	6
<b>Money Earned (y)</b>	90	80	100	20	60

Every ticket sold \_\_\_\_\_ dollars are earned.

3)

<b>Boxes of Candy (x)</b>	9	3	5	10	8
<b>Pieces of Candy (y)</b>	171	57	95	190	152

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

4)

<b>Concrete Blocks (x)</b>	8	2	3	10	7
<b>weight in kilograms (y)</b>	48	12	18	60	42

Every concrete block weighs \_\_\_\_\_ kilograms.

5)

<b>Glasses of Lemonade (x)</b>	10	3	9	6	5
<b>Lemons Used (y)</b>	30	9	27	18	15

For every glass of lemonade there were \_\_\_\_\_ lemons used.

6)

<b>Lawns Mowed (x)</b>	3	6	9	2	7
<b>Dollars Earned (y)</b>	120	240	360	80	280

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

7)

<b>Time in minute (x)</b>	6	7	5	8	9
<b>Gallons of Water Used (y)</b>	288	336	240	384	432

Every minute \_\_\_\_\_ gallons of water are used.

8)

<b>Phone Sold (x)</b>	10	5	8	7	3
<b>Money Earned (y)</b>	430	215	344	301	129

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

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<b>Price in dollars (y)</b>	39	104	52	65	91

For every pound of beef jerky it cost 13 dollars.

Ex.  $y = 13x$

1)

<b>Votes for Sarah (x)</b>	7	3	9	10	2
<b>Votes for Ned (y)</b>	287	123	369	410	82

For Every vote for Sarah there were 41 votes for Ned.

1.  $y = 41x$

2)

<b>Tickets Sold (x)</b>	9	8	10	2	6
<b>Money Earned (y)</b>	90	80	100	20	60

Every ticket sold 10 dollars are earned.

2.  $y = 10x$

3)

<b>Boxes of Candy (x)</b>	9	3	5	10	8
<b>Pieces of Candy (y)</b>	171	57	95	190	152

For every box of candy you get 19 pieces.

3.  $y = 19x$

4)

<b>Concrete Blocks (x)</b>	8	2	3	10	7
<b>weight in kilograms (y)</b>	48	12	18	60	42

Every concrete block weighs 6 kilograms.

4.  $y = 6x$

5)

<b>Glasses of Lemonade (x)</b>	10	3	9	6	5
<b>Lemons Used (y)</b>	30	9	27	18	15

For every glass of lemonade there were 3 lemons used.

5.  $y = 3x$

6)

<b>Lawns Mowed (x)</b>	3	6	9	2	7
<b>Dollars Earned (y)</b>	120	240	360	80	280

For every lawn mowed 40 dollars were earned.

6.  $y = 40x$

7)

<b>Time in minute (x)</b>	6	7	5	8	9
<b>Gallons of Water Used (y)</b>	288	336	240	384	432

Every minute 48 gallons of water are used.

7.  $y = 48x$

8)

<b>Phone Sold (x)</b>	10	5	8	7	3
<b>Money Earned (y)</b>	430	215	344	301	129

Every phone sold earns 43 dollars.

8.  $y = 43x$