

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

Ex)

<b>Glasses of Lemonade (x)</b>	5	8	2	7	4
<b>Lemons Used (y)</b>	20	32	8	28	16

For every glass of lemonade there were 4 lemons used.Ex.  $y = 4x$ 

1)

<b>Chocolate Bars (x)</b>	5	3	6	9	8
<b>Calories (y)</b>	1,300	780	1,560	2,340	2,080

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

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

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

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

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

2)

<b>Pounds of Beef Jerky (x)</b>	5	6	10	3	8
<b>Price in dollars (y)</b>	55	66	110	33	88

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

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

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

3)

<b>Time in minute (x)</b>	4	5	2	3	9
<b>Distance traveled in meters (y)</b>	64	80	32	48	144

Every minute \_\_\_\_\_ meters are travelled.

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

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

4)

<b>Boxes of Candy (x)</b>	5	6	9	2	10
<b>Pieces of Candy (y)</b>	80	96	144	32	160

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

5)

<b>Concrete Blocks (x)</b>	3	8	7	10	5
<b>weight in kilograms (y)</b>	15	40	35	50	25

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

6)

<b>Lawns Mowed (x)</b>	8	5	10	4	2
<b>Dollars Earned (y)</b>	248	155	310	124	62

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

7)

<b>Phone Sold (x)</b>	8	2	3	6	7
<b>Money Earned (y)</b>	272	68	102	204	238

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

8)

<b>Enemies Destroyed (x)</b>	4	9	2	10	6
<b>Points Earned (y)</b>	116	261	58	290	174

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

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For every glass of lemonade there were 4 lemons used.

Ex.  $y = 4x$

1)

<b>Chocolate Bars (x)</b>	5	3	6	9	8
<b>Calories (y)</b>	1,300	780	1,560	2,340	2,080

Every chocolate bar has 260 calories.

1.  $y = 260x$

2)

<b>Pounds of Beef Jerky (x)</b>	5	6	10	3	8
<b>Price in dollars (y)</b>	55	66	110	33	88

For every pound of beef jerky it cost 11 dollars.

2.  $y = 11x$

3)

<b>Time in minute (x)</b>	4	5	2	3	9
<b>Distance traveled in meters (y)</b>	64	80	32	48	144

Every minute 16 meters are travelled.

3.  $y = 16x$

4)

<b>Boxes of Candy (x)</b>	5	6	9	2	10
<b>Pieces of Candy (y)</b>	80	96	144	32	160

For every box of candy you get 16 pieces.

4.  $y = 16x$

5)

<b>Concrete Blocks (x)</b>	3	8	7	10	5
<b>weight in kilograms (y)</b>	15	40	35	50	25

Every concrete block weighs 5 kilograms.

5.  $y = 5x$

6)

<b>Lawns Mowed (x)</b>	8	5	10	4	2
<b>Dollars Earned (y)</b>	248	155	310	124	62

For every lawn mowed 31 dollars were earned.

6.  $y = 31x$

7)

<b>Phone Sold (x)</b>	8	2	3	6	7
<b>Money Earned (y)</b>	272	68	102	204	238

Every phone sold earns 34 dollars.

7.  $y = 34x$

8)

<b>Enemies Destroyed (x)</b>	4	9	2	10	6
<b>Points Earned (y)</b>	116	261	58	290	174

Every enemy destroyed earns 29 points.

8.  $y = 29x$