



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

**Answers**

Ex) 

<b>Lawns Mowed (x)</b>	4	8	7	5	2
<b>Dollars Earned (y)</b>	168	336	294	210	84

Ex.  $y = 42x$

For every lawn mowed 42 dollars were earned.

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

1) 

<b>Enemies Destroyed (x)</b>	9	5	8	7	2
<b>Points Earned (y)</b>	306	170	272	238	68

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

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

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

2) 

<b>Phone Sold (x)</b>	7	4	5	6	10
<b>Money Earned (y)</b>	350	200	250	300	500

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

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

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

3) 

<b>Boxes of Candy (x)</b>	9	6	10	5	3
<b>Pieces of Candy (y)</b>	153	102	170	85	51

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

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

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

4) 

<b>Time in minute (x)</b>	10	7	5	6	4
<b>Distance traveled in meters (y)</b>	270	189	135	162	108

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

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

5) 

<b>Votes for Robin (x)</b>	7	5	9	3	4
<b>Votes for Adam (y)</b>	343	245	441	147	196

For Every vote for Robin there were \_\_\_\_\_ votes for Adam.

6) 

<b>Pounds of Beef Jerky (x)</b>	3	8	4	7	5
<b>Price in dollars (y)</b>	36	96	48	84	60

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

7) 

<b>Cans of Paint (x)</b>	5	3	2	4	9
<b>Bird Houses Painted (y)</b>	15	9	6	12	27

For every can of paint you could paint \_\_\_\_\_ bird houses.

8) 

<b>Time in minute (x)</b>	7	8	5	4	2
<b>Gallons of Water Used (y)</b>	343	392	245	196	98

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

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

Ex)

<b>Lawns Mowed (x)</b>	4	8	7	5	2
<b>Dollars Earned (y)</b>	168	336	294	210	84

Ex.  $y = 42x$

For every lawn mowed 42 dollars were earned.

1.  $y = 34x$

1)

<b>Enemies Destroyed (x)</b>	9	5	8	7	2
<b>Points Earned (y)</b>	306	170	272	238	68

2.  $y = 50x$

Every enemy destroyed earns 34 points.

3.  $y = 17x$

2)

<b>Phone Sold (x)</b>	7	4	5	6	10
<b>Money Earned (y)</b>	350	200	250	300	500

4.  $y = 27x$

Every phone sold earns 50 dollars.

5.  $y = 49x$

3)

<b>Boxes of Candy (x)</b>	9	6	10	5	3
<b>Pieces of Candy (y)</b>	153	102	170	85	51

6.  $y = 12x$

For every box of candy you get 17 pieces.

7.  $y = 3x$

4)

<b>Time in minute (x)</b>	10	7	5	6	4
<b>Distance traveled in meters (y)</b>	270	189	135	162	108

8.  $y = 49x$

Every minute 27 meters are travelled.

5)

<b>Votes for Robin (x)</b>	7	5	9	3	4
<b>Votes for Adam (y)</b>	343	245	441	147	196

For Every vote for Robin there were 49 votes for Adam.

6)

<b>Pounds of Beef Jerky (x)</b>	3	8	4	7	5
<b>Price in dollars (y)</b>	36	96	48	84	60

For every pound of beef jerky it cost 12 dollars.

7)

<b>Cans of Paint (x)</b>	5	3	2	4	9
<b>Bird Houses Painted (y)</b>	15	9	6	12	27

For every can of paint you could paint 3 bird houses.

8)

<b>Time in minute (x)</b>	7	8	5	4	2
<b>Gallons of Water Used (y)</b>	343	392	245	196	98

Every minute 49 gallons of water are used.