



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

**Answers**

Ex)

<b>Phone Sold (x)</b>	2	5	3	6	4
<b>Money Earned (y)</b>	94	235	141	282	188

Every phone sold earns 47 dollars.

Ex.  $y = 47x$

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

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

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

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

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

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

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

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

1)

<b>Pounds of Beef Jerky (x)</b>	2	4	5	8	9
<b>Price in dollars (y)</b>	20	40	50	80	90

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

2)

<b>Tickets Sold (x)</b>	4	9	8	5	7
<b>Money Earned (y)</b>	48	108	96	60	84

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

3)

<b>Cans of Paint (x)</b>	2	5	6	9	7
<b>Bird Houses Painted (y)</b>	8	20	24	36	28

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

4)

<b>Time in minute (x)</b>	4	3	10	7	9
<b>Distance traveled in meters (y)</b>	76	57	190	133	171

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

5)

<b>Time in minute (x)</b>	8	3	6	4	10
<b>Gallons of Water Used (y)</b>	240	90	180	120	300

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

6)

<b>Boxes of Candy (x)</b>	5	9	3	2	6
<b>Pieces of Candy (y)</b>	90	162	54	36	108

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

7)

<b>Pieces of Chicken (x)</b>	3	10	7	9	4
<b>Price in dollars (y)</b>	6	20	14	18	8

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

8)

<b>Lawns Mowed (x)</b>	7	6	2	9	3
<b>Dollars Earned (y)</b>	294	252	84	378	126

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

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Ex)

<b>Phone Sold (x)</b>	2	5	3	6	4
<b>Money Earned (y)</b>	94	235	141	282	188

Every phone sold earns 47 dollars.

Ex.  $y = 47x$

1)

<b>Pounds of Beef Jerky (x)</b>	2	4	5	8	9
<b>Price in dollars (y)</b>	20	40	50	80	90

For every pound of beef jerky it cost 10 dollars.

1.  $y = 10x$

2)

<b>Tickets Sold (x)</b>	4	9	8	5	7
<b>Money Earned (y)</b>	48	108	96	60	84

Every ticket sold 12 dollars are earned.

2.  $y = 12x$

3.  $y = 4x$

3)

<b>Cans of Paint (x)</b>	2	5	6	9	7
<b>Bird Houses Painted (y)</b>	8	20	24	36	28

For every can of paint you could paint 4 bird houses.

4.  $y = 19x$

5.  $y = 30x$

4)

<b>Time in minute (x)</b>	4	3	10	7	9
<b>Distance traveled in meters (y)</b>	76	57	190	133	171

Every minute 19 meters are travelled.

6.  $y = 18x$

7.  $y = 2x$

5)

<b>Time in minute (x)</b>	8	3	6	4	10
<b>Gallons of Water Used (y)</b>	240	90	180	120	300

Every minute 30 gallons of water are used.

8.  $y = 42x$

6)

<b>Boxes of Candy (x)</b>	5	9	3	2	6
<b>Pieces of Candy (y)</b>	90	162	54	36	108

For every box of candy you get 18 pieces.

7)

<b>Pieces of Chicken (x)</b>	3	10	7	9	4
<b>Price in dollars (y)</b>	6	20	14	18	8

For each piece of chicken it costs 2 dollars.

8)

<b>Lawns Mowed (x)</b>	7	6	2	9	3
<b>Dollars Earned (y)</b>	294	252	84	378	126

For every lawn mowed 42 dollars were earned.