



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

**Answers**

Ex) 

<b>Glasses of Lemonade (x)</b>	10	2	8	5	4
<b>Lemons Used (y)</b>	40	8	32	20	16

Ex.  $y = 4x$

For every glass of lemonade there were 4 lemons used.

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

1) 

<b>Pieces of Chicken (x)</b>	4	5	6	8	7
<b>Price in dollars (y)</b>	8	10	12	16	14

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

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

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

2) 

<b>Time in minute (x)</b>	8	5	7	2	4
<b>Gallons of Water Used (y)</b>	328	205	287	82	164

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

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

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

3) 

<b>Concrete Blocks (x)</b>	4	8	2	6	9
<b>weight in kilograms (y)</b>	40	80	20	60	90

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

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

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

4) 

<b>Phone Sold (x)</b>	8	5	10	7	6
<b>Money Earned (y)</b>	320	200	400	280	240

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

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

5) 

<b>Pounds of Beef Jerky (x)</b>	9	2	5	7	10
<b>Price in dollars (y)</b>	126	28	70	98	140

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

6) 

<b>Cans of Paint (x)</b>	5	4	7	3	9
<b>Bird Houses Painted (y)</b>	20	16	28	12	36

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

7) 

<b>Boxes of Candy (x)</b>	4	5	2	9	6
<b>Pieces of Candy (y)</b>	64	80	32	144	96

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

8) 

<b>Chocolate Bars (x)</b>	3	5	6	10	4
<b>Calories (y)</b>	636	1,060	1,272	2,120	848

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

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

Ex)

<b>Glasses of Lemonade (x)</b>	10	2	8	5	4
<b>Lemons Used (y)</b>	40	8	32	20	16

Ex.  $y = 4x$

For every glass of lemonade there were 4 lemons used.

1.  $y = 2x$

1)

<b>Pieces of Chicken (x)</b>	4	5	6	8	7
<b>Price in dollars (y)</b>	8	10	12	16	14

2.  $y = 41x$

For each piece of chicken it costs 2 dollars.

3.  $y = 10x$

2)

<b>Time in minute (x)</b>	8	5	7	2	4
<b>Gallons of Water Used (y)</b>	328	205	287	82	164

4.  $y = 40x$

Every minute 41 gallons of water are used.

5.  $y = 14x$

3)

<b>Concrete Blocks (x)</b>	4	8	2	6	9
<b>weight in kilograms (y)</b>	40	80	20	60	90

6.  $y = 4x$

Every concrete block weighs 10 kilograms.

7.  $y = 16x$

4)

<b>Phone Sold (x)</b>	8	5	10	7	6
<b>Money Earned (y)</b>	320	200	400	280	240

8.  $y = 212x$

Every phone sold earns 40 dollars.

5)

<b>Pounds of Beef Jerky (x)</b>	9	2	5	7	10
<b>Price in dollars (y)</b>	126	28	70	98	140

For every pound of beef jerky it cost 14 dollars.

6)

<b>Cans of Paint (x)</b>	5	4	7	3	9
<b>Bird Houses Painted (y)</b>	20	16	28	12	36

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

7)

<b>Boxes of Candy (x)</b>	4	5	2	9	6
<b>Pieces of Candy (y)</b>	64	80	32	144	96

For every box of candy you get 16 pieces.

8)

<b>Chocolate Bars (x)</b>	3	5	6	10	4
<b>Calories (y)</b>	636	1,060	1,272	2,120	848

Every chocolate bar has 212 calories.