

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

Ex)

Glasses of Lemonade (x)	9	5	3	4	2
Lemons Used (y)	45	25	15	20	10

For every glass of lemonade there were 5 lemons used.Ex.  $y = 5x$ 

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

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

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

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

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

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

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

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

1)

Concrete Blocks (x)	8	5	7	2	3
weight in kilograms (y)	72	45	63	18	27

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

2)

Enemies Destroyed (x)	6	4	10	2	3
Points Earned (y)	264	176	440	88	132

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

3)

Pieces of Chicken (x)	7	5	8	6	10
Price in dollars (y)	7	5	8	6	10

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

4)

Phone Sold (x)	6	4	5	9	10
Money Earned (y)	108	72	90	162	180

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

5)

Pounds of Beef Jerky (x)	9	8	5	2	10
Price in dollars (y)	126	112	70	28	140

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

6)

Votes for Haley (x)	8	10	3	9	2
Votes for Kaleb (y)	184	230	69	207	46

For Every vote for Haley there were \_\_\_\_\_ votes for Kaleb.

7)

Tickets Sold (x)	8	5	7	2	9
Money Earned (y)	96	60	84	24	108

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

8)

Boxes of Candy (x)	7	2	8	4	5
Pieces of Candy (y)	140	40	160	80	100

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

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Ex)

<b>Glasses of Lemonade (x)</b>	9	5	3	4	2
<b>Lemons Used (y)</b>	45	25	15	20	10

For every glass of lemonade there were 5 lemons used.

Ex.  $y = 5x$

1)

<b>Concrete Blocks (x)</b>	8	5	7	2	3
<b>weight in kilograms (y)</b>	72	45	63	18	27

Every concrete block weighs 9 kilograms.

1.  $y = 9x$

2)

<b>Enemies Destroyed (x)</b>	6	4	10	2	3
<b>Points Earned (y)</b>	264	176	440	88	132

Every enemy destroyed earns 44 points.

2.  $y = 44x$

3)

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

For each piece of chicken it costs 1 dollars.

3.  $y = 1x$

4)

<b>Phone Sold (x)</b>	6	4	5	9	10
<b>Money Earned (y)</b>	108	72	90	162	180

Every phone sold earns 18 dollars.

4.  $y = 18x$

5)

<b>Pounds of Beef Jerky (x)</b>	9	8	5	2	10
<b>Price in dollars (y)</b>	126	112	70	28	140

For every pound of beef jerky it cost 14 dollars.

5.  $y = 14x$

6)

<b>Votes for Haley (x)</b>	8	10	3	9	2
<b>Votes for Kaleb (y)</b>	184	230	69	207	46

For Every vote for Haley there were 23 votes for Kaleb.

6.  $y = 23x$

7)

<b>Tickets Sold (x)</b>	8	5	7	2	9
<b>Money Earned (y)</b>	96	60	84	24	108

Every ticket sold 12 dollars are earned.

7.  $y = 12x$

8)

<b>Boxes of Candy (x)</b>	7	2	8	4	5
<b>Pieces of Candy (y)</b>	140	40	160	80	100

For every box of candy you get 20 pieces.

8.  $y = 20x$