

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)

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

Every concrete block weighs _____ kilograms.

1. _____

2. _____

3. _____

2)

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

Every enemy destroyed earns _____ points.

4. _____

5. _____

6. _____

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.

7. _____

8. _____

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.

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

Ex. $y = 5x$

For every glass of lemonade there were 5 lemons used.

1. $y = 9x$

1)

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

2. $y = 44x$

Every concrete block weighs 9 kilograms.

3. $y = 1x$

2)

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

4. $y = 18x$

Every enemy destroyed earns 44 points.

5. $y = 14x$

3)

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

6. $y = 23x$

For each piece of chicken it costs 1 dollars.

7. $y = 12x$

4)

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

8. $y = 20x$

Every phone sold earns 18 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 14 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 23 votes for Kaleb.

7)

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

Every ticket sold 12 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 20 pieces.