

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

 Ex)
 Time in minute (x)
 4
 2
 10
 3
 9

 Gallons of Water Used (y)
 120
 60
 300
 90
 270

Every minute ___30__ gallons of water are used.

1)	Enemies Destroyed (x)	5	10	3	4	6
	Points Earned (y)	245	490	147	196	294

Every enemy destroyed earns _____ points.

2)	Pieces of Chicken (x)	8	9	5	2	4
	Price in dollars (y)	8	9	5	2	4

For each piece of chicken it costs dollars.

3)	Lawns Mowed (x)	9	10	7	8	4
	Dollars Earned (y)	288	320	224	256	128

For every lawn mowed ______ dollars were earned.

4)	Phone Sold (x)	4	3	8	5	9
	Money Earned (y)	124	93	248	155	279

Every phone sold earns _____ dollars.

5)	Chocolate Bars (x)	2	3	7	10	4
	Calories (y)	672	1,008	2,352	3,360	1,344

Every chocolate bar has _____ calories.

6)	Cans of Paint (x)	3	10	5	2	8
	Bird Houses Painted (y)	12	40	20	8	32

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

7)	Pounds of Beef Jerky (x)	7	2	3	5	8
	Price in dollars (y)	84	24	36	60	96

For every pound of beef jerky it cost _____ dollars.

8)	Concrete Blocks (x)	5	2	9	6	3
	weight in kilograms (y)	35	14	63	42	21

Every concrete block weighs _____ kilograms.

Answers

Ex. y = 30x

1. _____

2. _____

3. _____

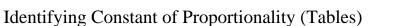
4. _____

5. _____

б. _____

7. _____

8.



Answer Key Name:

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

Ex)	Time in minute (x)	4	2	10	3	9
	Gallons of Water Used (y)	120	60	300	90	270

gallons of water are used. Every minute 30

1)	Enemies Destroyed (x)	5	10	3	4	6
	Points Earned (y)	245	490	147	196	294

Every enemy destroyed earns 49 points.

2)	Pieces of Chicken (x)	8	9	5	2	4
	Price in dollars (y)	8	9	5	2	4

For each piece of chicken it costs 1

3)	Lawns Mowed (x)	9	10	7	8	4
	Dollars Earned (y)	288	320	224	256	128

For every lawn mowed 32 dollars were earned.

4)	Phone Sold (x)	4	3	8	5	9
	Money Earned (y)	124	93	248	155	279

Every phone sold earns 31 dollars.

5)	Chocolate Bars (x)	2	3	7	10	4
	Calories (y)	672	1,008	2,352	3,360	1,344

Every chocolate bar has 336 calories.

6)	Cans of Paint (x)	3	10	5	2	8
	Bird Houses Painted (y)	12	40	20	8	32

For every can of paint you could paint bird houses.

7)	Pounds of Beef Jerky (x)	7	2	3	5	8
	Price in dollars (y)	84	24	36	60	96

For every pound of beef jerky it cost 12 dollars.

8)	Concrete Blocks (x)	5	2	9	6	3
	weight in kilograms (y)	35	14	63	42	21

Every concrete block weighs 7 kilograms.

Answers

$$\mathbf{y} = 30\mathbf{x}$$

$$y = 49x$$

$$\mathbf{y} = \mathbf{1}\mathbf{x}$$

$$y = 32x$$

$$y = 31x$$

$$y = 336x$$

$$\mathbf{y} = \mathbf{4}\mathbf{x}$$

$$y = 12x$$

$$y = 7x$$