

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

 Ex)
 Lawns Mowed (x)
 4
 8
 7
 5
 2

 Dollars Earned (y)
 168
 336
 294
 210
 84

For every lawn mowed ___42__ dollars were earned.

1) Enemies Destroyed (x) 9 5 8 7 2 Points Earned (y) 306 170 272 238 68

Every enemy destroyed earns _____ points.

 Phone Sold (x)
 7
 4
 5
 6
 10

 Money Earned (y)
 350
 200
 250
 300
 500

Every phone sold earns dollars.

 Boxes of Candy (x)
 9
 6
 10
 5
 3

 Pieces of Candy (y)
 153
 102
 170
 85
 51

For every box of candy you get pieces.

 Time in minute (x)
 10
 7
 5
 6
 4

 Distance traveled in meters (y)
 270
 189
 135
 162
 108

Every minute _____ meters are travelled.

 Votes for Rachel (x)
 7
 5
 9
 3
 4

 Votes for Sam (y)
 343
 245
 441
 147
 196

For Every vote for Rachel there were ______ votes for Sam

 Pounds of Beef Jerky (x)
 3
 8
 4
 7
 5

 Price in dollars (y)
 36
 96
 48
 84
 60

For every pound of beef jerky it cost _____ dollars.

7) Cans of Paint (x) 5 3 2 4 9
Bird Houses Painted (y) 15 9 6 12 27

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

8) Time in minute (x) 7 8 5 4 2
Gallons of Water Used (y) 343 392 245 196 98

Every minute _____ gallons of water are used.

Answers

 $\mathbf{y} = 42\mathbf{x}$

1

2. _____

3. _____

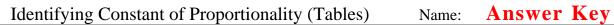
4. _____

5. _____

6. _____

7. _____

8.



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

Ex)	Lawns Mowed (x)	4	8	7	5	2
	Dollars Earned (y)	168	336	294	210	84

For every lawn mowed 42 dollars were earned.

1)	Enemies Destroyed (x)	9	5	8	7	2
	Points Earned (y)	306	170	272	238	68

Every enemy destroyed earns 34 points.

2)	Phone Sold (x)	7	4	5	6	10
	Money Earned (y)	350	200	250	300	500

Every phone sold earns 50 dollars.

3)	Boxes of Candy (x)	9	6	10	5	3
	Pieces of Candy (y)	153	102	170	85	51

For every box of candy you get ____17 pieces.

4)	Time in minute (x)	10	7	5	6	4
	Distance traveled in meters (y)	270	189	135	162	108

Every minute 27 meters are travelled.

5)	Votes for Rachel (x)	7	5	9	3	4
	Votes for Sam (y)	343	245	441	147	196

For Every vote for Rachel there were ____49___ votes for Sam.

6)	Pounds of Beef Jerky (x)	3	8	4	7	5
	Price in dollars (y)	36	96	48	84	60

For every pound of beef jerky it cost 12 dollars.

7)	Cans of Paint (x)	5	3	2	4	9
	Bird Houses Painted (y)	15	9	6	12	27

For every can of paint you could paint 3 bird houses.

8)	Time in minute (x)	7	8	5	4	2
	Gallons of Water Used (y)	343	392	245	196	98

Every minute 49 gallons of water are used.

Answers

$$\mathbf{y} = 42\mathbf{x}$$

$$y = 34x$$

$$y = 50x$$

3.
$$y = 17x$$

$$y = 27x$$

$$5. \quad \mathbf{y} = \mathbf{49x}$$

6.
$$y = 12x$$

$$y = 3x$$

$$v = 49x$$