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

Answers

Ex)

Phone Sold (x)	2	5	3	6	4
Money Earned (y)	94	235	141	282	188

Every phone sold earns ___47___ dollars.

Ex. ___**y = 47x**___

1)

Pounds of Beef Jerky (x)	2	4	5	8	9
Price in dollars (y)	20	40	50	80	90

For every pound of beef jerky it cost _____ dollars.

1. _____

2. _____

2)

Tickets Sold (x)	4	9	8	5	7
Money Earned (y)	48	108	96	60	84

Every ticket sold _____ dollars are earned.

3. _____

4. _____

3)

Cans of Paint (x)	2	5	6	9	7
Bird Houses Painted (y)	8	20	24	36	28

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

5. _____

4)

Time in minute (x)	4	3	10	7	9
Distance traveled in meters (y)	76	57	190	133	171

Every minute _____ meters are travelled.

6. _____

7. _____

5)

Time in minute (x)	8	3	6	4	10
Gallons of Water Used (y)	240	90	180	120	300

Every minute _____ gallons of water are used.

8. _____

6)

Boxes of Candy (x)	5	9	3	2	6
Pieces of Candy (y)	90	162	54	36	108

For every box of candy you get _____ pieces.

7)

Pieces of Chicken (x)	3	10	7	9	4
Price in dollars (y)	6	20	14	18	8

For each piece of chicken it costs _____ dollars.

8)

Lawns Mowed (x)	7	6	2	9	3
Dollars Earned (y)	294	252	84	378	126

For every lawn mowed _____ dollars were earned.

1-8	88	75	63	50	38	25	13	0

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

Ex)

Phone Sold (x)	2	5	3	6	4
Money Earned (y)	94	235	141	282	188

Every phone sold earns ___47___ dollars.

Ex. ___**y = 47x**___

1)

Pounds of Beef Jerky (x)	2	4	5	8	9
Price in dollars (y)	20	40	50	80	90

For every pound of beef jerky it cost ___10___ dollars.

1. ___**y = 10x**___

2. ___**y = 12x**___

2)

Tickets Sold (x)	4	9	8	5	7
Money Earned (y)	48	108	96	60	84

Every ticket sold ___12___ dollars are earned.

3. ___**y = 4x**___

4. ___**y = 19x**___

3)

Cans of Paint (x)	2	5	6	9	7
Bird Houses Painted (y)	8	20	24	36	28

For every can of paint you could paint ___4___ bird houses.

5. ___**y = 30x**___

6. ___**y = 18x**___

4)

Time in minute (x)	4	3	10	7	9
Distance traveled in meters (y)	76	57	190	133	171

Every minute ___19___ meters are travelled.

7. ___**y = 2x**___

8. ___**y = 42x**___

5)

Time in minute (x)	8	3	6	4	10
Gallons of Water Used (y)	240	90	180	120	300

Every minute ___30___ gallons of water are used.

6)

Boxes of Candy (x)	5	9	3	2	6
Pieces of Candy (y)	90	162	54	36	108

For every box of candy you get ___18___ pieces.

7)

Pieces of Chicken (x)	3	10	7	9	4
Price in dollars (y)	6	20	14	18	8

For each piece of chicken it costs ___2___ dollars.

8)

Lawns Mowed (x)	7	6	2	9	3
Dollars Earned (y)	294	252	84	378	126

For every lawn mowed ___42___ dollars were earned.

1-8	88	75	63	50	38	25	13	0