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.

Ex. ___**y = 42x**___

1)

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

Every enemy destroyed earns _____ points.

1. _____

2. _____

2)

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

Every phone sold earns _____ dollars.

3. _____

4. _____

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 _____ pieces.

5. _____

6. _____

4)

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

Every minute _____ meters are travelled.

7. _____

8. _____

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 _____ 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 _____ 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.

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.

Ex. **y = 42x**

1)

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

Every enemy destroyed earns ___34___ points.

1. **y = 34x**

2)

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

Every phone sold earns ___50___ dollars.

2. **y = 50x**

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.

3. **y = 17x**

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.

4. **y = 27x**

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.

5. **y = 49x**

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.

6. **y = 12x**

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.

7. **y = 3x**

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.

8. **y = 49x**