Identifying Constant of Proportionality (Tables)

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

Ex)

Pounds of Beef Jerky (x)	10	4	5	7	8
Price in dollars (y)	130	52	65	91	104

For every pound of beef jerky it cost ___13___ dollars.

Ex. ___**y = 13x**___

1)

Pieces of Chicken (x)	3	10	4	9	2
Price in dollars (y)	3	10	4	9	2

For each piece of chicken it costs _____ dollars.

1. _____

2)

Enemies Destroyed (x)	9	4	8	3	6
Points Earned (y)	207	92	184	69	138

Every enemy destroyed earns _____ points.

2. _____

3. _____

3)

Votes for Isabel (x)	8	9	6	5	7
Votes for Frank (y)	296	333	222	185	259

For Every vote for Isabel there were _____ votes for Frank.

4. _____

5. _____

4)

Time in minute (x)	5	2	4	10	9
Distance traveled in meters (y)	80	32	64	160	144

Every minute _____ meters are travelled.

6. _____

5)

Cans of Paint (x)	8	7	4	9	3
Bird Houses Painted (y)	40	35	20	45	15

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

7. _____

8. _____

6)

Lawns Mowed (x)	2	5	7	8	10
Dollars Earned (y)	88	220	308	352	440

For every lawn mowed _____ dollars were earned.

7)

Boxes of Candy (x)	7	3	10	2	9
Pieces of Candy (y)	112	48	160	32	144

For every box of candy you get _____ pieces.

8)

Tickets Sold (x)	6	7	9	10	8
Money Earned (y)	84	98	126	140	112

Every ticket sold _____ dollars are earned.

Math

Identifying Constant of Proportionality (Tables)

Name: **Answer Key**

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

Answers

Ex)

Pounds of Beef Jerky (x)	10	4	5	7	8
Price in dollars (y)	130	52	65	91	104

For every pound of beef jerky it cost ___13___ dollars.

Ex. **y = 13x**

1)

Pieces of Chicken (x)	3	10	4	9	2
Price in dollars (y)	3	10	4	9	2

For each piece of chicken it costs ___1___ dollars.

1. **y = 1x**

2)

Enemies Destroyed (x)	9	4	8	3	6
Points Earned (y)	207	92	184	69	138

Every enemy destroyed earns ___23___ points.

2. **y = 23x**

3)

Votes for Isabel (x)	8	9	6	5	7
Votes for Frank (y)	296	333	222	185	259

For Every vote for Isabel there were ___37___ votes for Frank.

3. **y = 37x**

4)

Time in minute (x)	5	2	4	10	9
Distance traveled in meters (y)	80	32	64	160	144

Every minute ___16___ meters are travelled.

4. **y = 16x**

5)

Cans of Paint (x)	8	7	4	9	3
Bird Houses Painted (y)	40	35	20	45	15

For every can of paint you could paint ___5___ bird houses.

5. **y = 5x**

6)

Lawns Mowed (x)	2	5	7	8	10
Dollars Earned (y)	88	220	308	352	440

For every lawn mowed ___44___ dollars were earned.

6. **y = 44x**

7)

Boxes of Candy (x)	7	3	10	2	9
Pieces of Candy (y)	112	48	160	32	144

For every box of candy you get ___16___ pieces.

7. **y = 16x**

8)

Tickets Sold (x)	6	7	9	10	8
Money Earned (y)	84	98	126	140	112

Every ticket sold ___14___ dollars are earned.

8. **y = 14x**

Math