Identifying Constant of Proportionality (Tables)   Name:

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

Ex)

Boxes of Candy (x)	9	4	7	8	6
Pieces of Candy (y)	153	68	119	136	102

For every box of candy you get ___17___ pieces.

Ex. __y = 17x__

1)

Tickets Sold (x)	9	4	2	5	7
Money Earned (y)	117	52	26	65	91

Every ticket sold _____ dollars are earned.

1. _____

2. _____

2)

Chocolate Bars (x)	9	5	6	3	2
Calories (y)	2,862	1,590	1,908	954	636

Every chocolate bar has _____ calories.

3. _____

4. _____

3)

Votes for Maria (x)	8	10	9	6	5
Votes for Kaleb (y)	344	430	387	258	215

For Every vote for Maria there were _____ votes for Kaleb.

5. _____

6. _____

4)

Time in minute (x)	6	3	7	8	9
Gallons of Water Used (y)	192	96	224	256	288

Every minute _____ gallons of water are used.

7. _____

8. _____

5)

Pieces of Chicken (x)	6	9	10	5	8
Price in dollars (y)	6	9	10	5	8

For each piece of chicken it costs _____ dollars.

6)

Cans of Paint (x)	9	6	10	3	2
Bird Houses Painted (y)	36	24	40	12	8

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

7)

Enemies Destroyed (x)	8	2	5	4	10
Points Earned (y)	376	94	235	188	470

Every enemy destroyed earns _____ points.

8)

Phone Sold (x)	4	9	2	3	10
Money Earned (y)	144	324	72	108	360

Every phone sold earns _____ dollars.

Math   www.CommonCoreSheets.com

Answer Key

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

Ex)

Boxes of Candy (x)	9	4	7	8	6
Pieces of Candy (y)	153	68	119	136	102

For every box of candy you get ___17___ pieces.

Ex. **y = 17x**

1)

Tickets Sold (x)	9	4	2	5	7
Money Earned (y)	117	52	26	65	91

Every ticket sold ___13___ dollars are earned.

1. **y = 13x**

2)

Chocolate Bars (x)	9	5	6	3	2
Calories (y)	2,862	1,590	1,908	954	636

Every chocolate bar has ___318___ calories.

2. **y = 318x**

3)

Votes for Maria (x)	8	10	9	6	5
Votes for Kaleb (y)	344	430	387	258	215

For Every vote for Maria there were ___43___ votes for Kaleb.

3. **y = 43x**

4)

Time in minute (x)	6	3	7	8	9
Gallons of Water Used (y)	192	96	224	256	288

Every minute ___32___ gallons of water are used.

4. **y = 32x**

5)

Pieces of Chicken (x)	6	9	10	5	8
Price in dollars (y)	6	9	10	5	8

For each piece of chicken it costs ___1___ dollars.

5. **y = 1x**

6)

Cans of Paint (x)	9	6	10	3	2
Bird Houses Painted (y)	36	24	40	12	8

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

6. **y = 4x**

7)

Enemies Destroyed (x)	8	2	5	4	10
Points Earned (y)	376	94	235	188	470

Every enemy destroyed earns ___47___ points.

7. **y = 47x**

8)

Phone Sold (x)	4	9	2	3	10
Money Earned (y)	144	324	72	108	360

Every phone sold earns ___36___ dollars.

8. **y = 36x**

Math