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 _____ 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.

Answer Key

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 ___10___ dollars.

1. $y = 10x$

2)

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

Every ticket sold ___12___ dollars are earned.

2. $y = 12x$

3. $y = 4x$

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.

4. $y = 19x$

5. $y = 30x$

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.

6. $y = 18x$

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.

7. $y = 2x$

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.

8. $y = 42x$

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

Identifying Constant of Proportionality (Tables)   Name:

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

Ex)

Glasses of Lemonade (x)	6	10	9	5	3
Lemons Used (y)	24	40	36	20	12

For every glass of lemonade there were ____4____ lemons used.

Ex.   **y = 4x**

1)

Boxes of Candy (x)	9	6	4	10	7
Pieces of Candy (y)	171	114	76	190	133

For every box of candy you get _____ pieces.

1. _____

2. _____

2)

Pieces of Chicken (x)	6	8	2	10	9
Price in dollars (y)	12	16	4	20	18

For each piece of chicken it costs _____ dollars.

3. _____

4. _____

3)

Votes for Maria (x)	8	9	6	3	4
Votes for Cody (y)	136	153	102	51	68

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

5. _____

6. _____

4)

Time in minute (x)	5	4	2	7	3
Distance traveled in meters (y)	145	116	58	203	87

Every minute _____ meters are travelled.

7. _____

5)

Pounds of Beef Jerky (x)	3	10	4	5	9
Price in dollars (y)	30	100	40	50	90

For every pound of beef jerky it cost _____ dollars.

8. _____

6)

Tickets Sold (x)	2	10	9	5	6
Money Earned (y)	28	140	126	70	84

Every ticket sold _____ dollars are earned.

7)

Phone Sold (x)	10	6	3	5	9
Money Earned (y)	160	96	48	80	144

Every phone sold earns _____ dollars.

8)

Lawns Mowed (x)	10	7	5	9	4
Dollars Earned (y)	360	252	180	324	144

For every lawn mowed _____ dollars were earned.

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

Answers

Ex)

Glasses of Lemonade (x)	6	10	9	5	3
Lemons Used (y)	24	40	36	20	12

For every glass of lemonade there were ___4___ lemons used.

Ex. _____**y = 4x**_____

1)

Boxes of Candy (x)	9	6	4	10	7
Pieces of Candy (y)	171	114	76	190	133

For every box of candy you get ___19___ pieces.

1. _____**y = 19x**_____

2. _____**y = 2x**_____

2)

Pieces of Chicken (x)	6	8	2	10	9
Price in dollars (y)	12	16	4	20	18

For each piece of chicken it costs ___2___ dollars.

3. _____**y = 17x**_____

4. _____**y = 29x**_____

3)

Votes for Maria (x)	8	9	6	3	4
Votes for Cody (y)	136	153	102	51	68

For Every vote for Maria there were ___17___ votes for Cody.

5. _____**y = 10x**_____

6. _____**y = 14x**_____

4)

Time in minute (x)	5	4	2	7	3
Distance traveled in meters (y)	145	116	58	203	87

Every minute ___29___ meters are travelled.

7. _____**y = 16x**_____

8. _____**y = 36x**_____

5)

Pounds of Beef Jerky (x)	3	10	4	5	9
Price in dollars (y)	30	100	40	50	90

For every pound of beef jerky it cost ___10___ dollars.

6)

Tickets Sold (x)	2	10	9	5	6
Money Earned (y)	28	140	126	70	84

Every ticket sold ___14___ dollars are earned.

7)

Phone Sold (x)	10	6	3	5	9
Money Earned (y)	160	96	48	80	144

Every phone sold earns ___16___ dollars.

8)

Lawns Mowed (x)	10	7	5	9	4
Dollars Earned (y)	360	252	180	324	144

For every lawn mowed ___36___ dollars were earned.

Identifying Constant of Proportionality (Tables)   Name:

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

Ex)

Glasses of Lemonade (x)	9	5	3	4	2
Lemons Used (y)	45	25	15	20	10

For every glass of lemonade there were ___5___ lemons used.

Ex. ____**y = 5x**____

1)

Concrete Blocks (x)	8	5	7	2	3
weight in kilograms (y)	72	45	63	18	27

Every concrete block weighs _____ kilograms.

1. _____

2. _____

2)

Enemies Destroyed (x)	6	4	10	2	3
Points Earned (y)	264	176	440	88	132

Every enemy destroyed earns _____ points.

3. _____

4. _____

3)

Pieces of Chicken (x)	7	5	8	6	10
Price in dollars (y)	7	5	8	6	10

For each piece of chicken it costs _____ dollars.

5. _____

4)

Phone Sold (x)	6	4	5	9	10
Money Earned (y)	108	72	90	162	180

Every phone sold earns _____ dollars.

6. _____

7. _____

5)

Pounds of Beef Jerky (x)	9	8	5	2	10
Price in dollars (y)	126	112	70	28	140

For every pound of beef jerky it cost _____ dollars.

8. _____

6)

Votes for Haley (x)	8	10	3	9	2
Votes for Kaleb (y)	184	230	69	207	46

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

7)

Tickets Sold (x)	8	5	7	2	9
Money Earned (y)	96	60	84	24	108

Every ticket sold _____ dollars are earned.

8)

Boxes of Candy (x)	7	2	8	4	5
Pieces of Candy (y)	140	40	160	80	100

For every box of candy you get _____ pieces.

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

Ex)

Glasses of Lemonade (x)	9	5	3	4	2
Lemons Used (y)	45	25	15	20	10

For every glass of lemonade there were ___5___ lemons used.

Ex. _____ **y = 5x** _____

1)

Concrete Blocks (x)	8	5	7	2	3
weight in kilograms (y)	72	45	63	18	27

Every concrete block weighs ___9___ kilograms.

1. _____ **y = 9x** _____

2)

Enemies Destroyed (x)	6	4	10	2	3
Points Earned (y)	264	176	440	88	132

Every enemy destroyed earns ___44___ points.

2. _____ **y = 44x** _____

3)

Pieces of Chicken (x)	7	5	8	6	10
Price in dollars (y)	7	5	8	6	10

For each piece of chicken it costs ___1___ dollars.

3. _____ **y = 1x** _____

4)

Phone Sold (x)	6	4	5	9	10
Money Earned (y)	108	72	90	162	180

Every phone sold earns ___18___ dollars.

4. _____ **y = 18x** _____

5)

Pounds of Beef Jerky (x)	9	8	5	2	10
Price in dollars (y)	126	112	70	28	140

For every pound of beef jerky it cost ___14___ dollars.

5. _____ **y = 14x** _____

6)

Votes for Haley (x)	8	10	3	9	2
Votes for Kaleb (y)	184	230	69	207	46

For Every vote for Haley there were ___23___ votes for Kaleb.

6. _____ **y = 23x** _____

7)

Tickets Sold (x)	8	5	7	2	9
Money Earned (y)	96	60	84	24	108

Every ticket sold ___12___ dollars are earned.

7. _____ **y = 12x** _____

8)

Boxes of Candy (x)	7	2	8	4	5
Pieces of Candy (y)	140	40	160	80	100

For every box of candy you get ___20___ pieces.

8. _____ **y = 20x** _____

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

Ex)

Concrete Blocks (x)	6	5	7	9	3
weight in kilograms (y)	54	45	63	81	27

Every concrete block weighs ___9___ kilograms.

Ex. ___**y = 9x**___

1)

Time in minute (x)	7	8	6	4	2
Gallons of Water Used (y)	315	360	270	180	90

Every minute _____ gallons of water are used.

1. _____

2. _____

2)

Chocolate Bars (x)	6	7	3	4	10
Calories (y)	1,530	1,785	765	1,020	2,550

Every chocolate bar has _____ calories.

3. _____

4. _____

5. _____

3)

Pounds of Beef Jerky (x)	6	7	9	2	5
Price in dollars (y)	84	98	126	28	70

For every pound of beef jerky it cost _____ dollars.

6. _____

7. _____

4)

Pieces of Chicken (x)	3	6	9	5	10
Price in dollars (y)	6	12	18	10	20

For each piece of chicken it costs _____ dollars.

8. _____

5)

Boxes of Candy (x)	10	3	4	5	2
Pieces of Candy (y)	160	48	64	80	32

For every box of candy you get _____ pieces.

6)

Votes for Emily (x)	8	10	7	2	9
Votes for Edward (y)	312	390	273	78	351

For Every vote for Emily there were _____ votes for Edward.

7)

Lawns Mowed (x)	4	10	9	6	5
Dollars Earned (y)	144	360	324	216	180

For every lawn mowed _____ dollars were earned.

8)

Cans of Paint (x)	7	8	9	2	10
Bird Houses Painted (y)	28	32	36	8	40

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

Identifying Constant of Proportionality (Tables)

Name: **Answer Key**

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

Answers

Ex)

Concrete Blocks (x)	6	5	7	9	3
weight in kilograms (y)	54	45	63	81	27

Every concrete block weighs ___9___ kilograms.

Ex. $y = 9x$

1)

Time in minute (x)	7	8	6	4	2
Gallons of Water Used (y)	315	360	270	180	90

Every minute ___45___ gallons of water are used.

1. $y = 45x$

2. $y = 255x$

2)

Chocolate Bars (x)	6	7	3	4	10
Calories (y)	1,530	1,785	765	1,020	2,550

Every chocolate bar has ___255___ calories.

3. $y = 14x$

4. $y = 2x$

3)

Pounds of Beef Jerky (x)	6	7	9	2	5
Price in dollars (y)	84	98	126	28	70

For every pound of beef jerky it cost ___14___ dollars.

5. $y = 16x$

6. $y = 39x$

4)

Pieces of Chicken (x)	3	6	9	5	10
Price in dollars (y)	6	12	18	10	20

For each piece of chicken it costs ___2___ dollars.

7. $y = 36x$

8. $y = 4x$

5)

Boxes of Candy (x)	10	3	4	5	2
Pieces of Candy (y)	160	48	64	80	32

For every box of candy you get ___16___ pieces.

6)

Votes for Emily (x)	8	10	7	2	9
Votes for Edward (y)	312	390	273	78	351

For Every vote for Emily there were ___39___ votes for Edward.

7)

Lawns Mowed (x)	4	10	9	6	5
Dollars Earned (y)	144	360	324	216	180

For every lawn mowed ___36___ dollars were earned.

8)

Cans of Paint (x)	7	8	9	2	10
Bird Houses Painted (y)	28	32	36	8	40

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

Math

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4

1-8	88	75	63	50	38	25	13	0

Identifying Constant of Proportionality (Tables)

Name: _____

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

Ex)

Time in minute (x)	2	9	6	3	4
Gallons of Water Used (y)	78	351	234	117	156

Every minute ___39___ gallons of water are used.

1)

Boxes of Candy (x)	5	8	4	3	9
Pieces of Candy (y)	100	160	80	60	180

For every box of candy you get _____ pieces.

2)

Votes for Rachel (x)	3	9	6	8	2
Votes for Sam (y)	60	180	120	160	40

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

3)

Tickets Sold (x)	4	7	8	10	3
Money Earned (y)	40	70	80	100	30

Every ticket sold _____ dollars are earned.

4)

Time in minute (x)	3	7	4	9	10
Distance traveled in meters (y)	90	210	120	270	300

Every minute _____ meters are travelled.

5)

Pieces of Chicken (x)	7	3	4	5	9
Price in dollars (y)	14	6	8	10	18

For each piece of chicken it costs _____ dollars.

6)

Concrete Blocks (x)	5	10	6	8	4
weight in kilograms (y)	40	80	48	64	32

Every concrete block weighs _____ kilograms.

7)

Phone Sold (x)	3	8	5	10	6
Money Earned (y)	87	232	145	290	174

Every phone sold earns _____ dollars.

8)

Enemies Destroyed (x)	10	2	5	8	6
Points Earned (y)	490	98	245	392	294

Every enemy destroyed earns _____ points.

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

Ex)

Time in minute (x)	2	9	6	3	4
Gallons of Water Used (y)	78	351	234	117	156

Every minute ___39___ gallons of water are used.

Ex. ___**y = 39x**___

1)

Boxes of Candy (x)	5	8	4	3	9
Pieces of Candy (y)	100	160	80	60	180

For every box of candy you get ___20___ pieces.

1. ___**y = 20x**___

2. ___**y = 20x**___

2)

Votes for Rachel (x)	3	9	6	8	2
Votes for Sam (y)	60	180	120	160	40

For Every vote for Rachel there were ___20___ votes for Sam.

3. ___**y = 10x**___

4. ___**y = 30x**___

3)

Tickets Sold (x)	4	7	8	10	3
Money Earned (y)	40	70	80	100	30

Every ticket sold ___10___ dollars are earned.

5. ___**y = 2x**___

6. ___**y = 8x**___

4)

Time in minute (x)	3	7	4	9	10
Distance traveled in meters (y)	90	210	120	270	300

Every minute ___30___ meters are travelled.

7. ___**y = 29x**___

8. ___**y = 49x**___

5)

Pieces of Chicken (x)	7	3	4	5	9
Price in dollars (y)	14	6	8	10	18

For each piece of chicken it costs ___2___ dollars.

6)

Concrete Blocks (x)	5	10	6	8	4
weight in kilograms (y)	40	80	48	64	32

Every concrete block weighs ___8___ kilograms.

7)

Phone Sold (x)	3	8	5	10	6
Money Earned (y)	87	232	145	290	174

Every phone sold earns ___29___ dollars.

8)

Enemies Destroyed (x)	10	2	5	8	6
Points Earned (y)	490	98	245	392	294

Every enemy destroyed earns ___49___ points.

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

Ex)

Time in minute (x)	5	10	7	2	9
Gallons of Water Used (y)	195	390	273	78	351

Every minute ___39___ gallons of water are used.

Ex.   **y = 39x**

1. _____

1)

Chocolate Bars (x)	4	5	9	3	8
Calories (y)	1,320	1,650	2,970	990	2,640

Every chocolate bar has _____ calories.

2. _____

3. _____

2)

Pounds of Beef Jerky (x)	8	7	9	4	3
Price in dollars (y)	104	91	117	52	39

For every pound of beef jerky it cost _____ dollars.

4. _____

5. _____

3)

Enemies Destroyed (x)	10	9	7	8	3
Points Earned (y)	160	144	112	128	48

Every enemy destroyed earns _____ points.

6. _____

7. _____

4)

Votes for Maria (x)	9	4	10	6	7
Votes for George (y)	423	188	470	282	329

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

8. _____

5)

Pieces of Chicken (x)	3	9	2	7	6
Price in dollars (y)	6	18	4	14	12

For each piece of chicken it costs _____ dollars.

6)

Phone Sold (x)	8	6	5	4	9
Money Earned (y)	248	186	155	124	279

Every phone sold earns _____ dollars.

7)

Lawns Mowed (x)	6	9	10	8	5
Dollars Earned (y)	270	405	450	360	225

For every lawn mowed _____ dollars were earned.

8)

Boxes of Candy (x)	2	9	4	3	7
Pieces of Candy (y)	34	153	68	51	119

For every box of candy you get _____ pieces.

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)

Time in minute (x)	5	10	7	2	9
Gallons of Water Used (y)	195	390	273	78	351

Every minute ___39___ gallons of water are used.

1)

Chocolate Bars (x)	4	5	9	3	8
Calories (y)	1,320	1,650	2,970	990	2,640

Every chocolate bar has ___330___ calories.

2)

Pounds of Beef Jerky (x)	8	7	9	4	3
Price in dollars (y)	104	91	117	52	39

For every pound of beef jerky it cost ___13___ dollars.

3)

Enemies Destroyed (x)	10	9	7	8	3
Points Earned (y)	160	144	112	128	48

Every enemy destroyed earns ___16___ points.

4)

Votes for Maria (x)	9	4	10	6	7
Votes for George (y)	423	188	470	282	329

For Every vote for Maria there were ___47___ votes for George.

5)

Pieces of Chicken (x)	3	9	2	7	6
Price in dollars (y)	6	18	4	14	12

For each piece of chicken it costs ___2___ dollars.

6)

Phone Sold (x)	8	6	5	4	9
Money Earned (y)	248	186	155	124	279

Every phone sold earns ___31___ dollars.

7)

Lawns Mowed (x)	6	9	10	8	5
Dollars Earned (y)	270	405	450	360	225

For every lawn mowed ___45___ dollars were earned.

8)

Boxes of Candy (x)	2	9	4	3	7
Pieces of Candy (y)	34	153	68	51	119

For every box of candy you get ___17___ pieces.

Ex. ___**y = 39x**___

1. ___**y = 330x**___

2. ___**y = 13x**___

3. ___**y = 16x**___

4. ___**y = 47x**___

5. ___**y = 2x**___

6. ___**y = 31x**___

7. ___**y = 45x**___

8. ___**y = 17x**___

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. _____

5)

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

For Every vote for Robin there were _____ votes for Adam.

8. _____

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

For Every vote for Robin there were ___49___ votes for Adam.

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. $y = 49x$

Identifying Constant of Proportionality (Tables)   Name:

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

Ex)

Glasses of Lemonade (x)	5	8	2	7	4
Lemons Used (y)	20	32	8	28	16

For every glass of lemonade there were ___4___ lemons used.

Ex. ___**y = 4x**___

1)

Chocolate Bars (x)	5	3	6	9	8
Calories (y)	1,300	780	1,560	2,340	2,080

Every chocolate bar has _____ calories.

1. _____

2)

Pounds of Beef Jerky (x)	5	6	10	3	8
Price in dollars (y)	55	66	110	33	88

For every pound of beef jerky it cost _____ dollars.

2. _____

3. _____

3)

Time in minute (x)	4	5	2	3	9
Distance traveled in meters (y)	64	80	32	48	144

Every minute _____ meters are travelled.

4. _____

5. _____

4)

Boxes of Candy (x)	5	6	9	2	10
Pieces of Candy (y)	80	96	144	32	160

For every box of candy you get _____ pieces.

6. _____

5)

Concrete Blocks (x)	3	8	7	10	5
weight in kilograms (y)	15	40	35	50	25

Every concrete block weighs _____ kilograms.

7. _____

8. _____

6)

Lawns Mowed (x)	8	5	10	4	2
Dollars Earned (y)	248	155	310	124	62

For every lawn mowed _____ dollars were earned.

7)

Phone Sold (x)	8	2	3	6	7
Money Earned (y)	272	68	102	204	238

Every phone sold earns _____ dollars.

8)

Enemies Destroyed (x)	4	9	2	10	6
Points Earned (y)	116	261	58	290	174

Every enemy destroyed earns _____ points.

Answer Key

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

Ex)

Glasses of Lemonade (x)	5	8	2	7	4
Lemons Used (y)	20	32	8	28	16

For every glass of lemonade there were ___4___ lemons used.

Ex. __**y = 4x**__

1)

Chocolate Bars (x)	5	3	6	9	8
Calories (y)	1,300	780	1,560	2,340	2,080

Every chocolate bar has ___260___ calories.

1. __**y = 260x**__

2. __**y = 11x**__

2)

Pounds of Beef Jerky (x)	5	6	10	3	8
Price in dollars (y)	55	66	110	33	88

For every pound of beef jerky it cost ___11___ dollars.

3. __**y = 16x**__

4. __**y = 16x**__

3)

Time in minute (x)	4	5	2	3	9
Distance traveled in meters (y)	64	80	32	48	144

Every minute ___16___ meters are travelled.

5. __**y = 5x**__

6. __**y = 31x**__

4)

Boxes of Candy (x)	5	6	9	2	10
Pieces of Candy (y)	80	96	144	32	160

For every box of candy you get ___16___ pieces.

7. __**y = 34x**__

8. __**y = 29x**__

5)

Concrete Blocks (x)	3	8	7	10	5
weight in kilograms (y)	15	40	35	50	25

Every concrete block weighs ___5___ kilograms.

6)

Lawns Mowed (x)	8	5	10	4	2
Dollars Earned (y)	248	155	310	124	62

For every lawn mowed ___31___ dollars were earned.

7)

Phone Sold (x)	8	2	3	6	7
Money Earned (y)	272	68	102	204	238

Every phone sold earns ___34___ dollars.

8)

Enemies Destroyed (x)	4	9	2	10	6
Points Earned (y)	116	261	58	290	174

Every enemy destroyed earns ___29___ points.

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

Ex)

Chocolate Bars (x)	8	3	7	6	10
Calories (y)	2,008	753	1,757	1,506	2,510

Every chocolate bar has __251__ calories.

Ex. __y = 251x__

1)

Pieces of Chicken (x)	7	6	10	4	8
Price in dollars (y)	14	12	20	8	16

For each piece of chicken it costs _____ dollars.

1. _____

2. _____

2)

Boxes of Candy (x)	10	8	3	5	4
Pieces of Candy (y)	170	136	51	85	68

For every box of candy you get _____ pieces.

3. _____

4. _____

3)

Tickets Sold (x)	8	2	9	5	4
Money Earned (y)	104	26	117	65	52

Every ticket sold _____ dollars are earned.

5. _____

6. _____

4)

Time in minute (x)	4	6	7	8	3
Distance traveled in meters (y)	76	114	133	152	57

Every minute _____ meters are travelled.

7. _____

8. _____

5)

Pounds of Beef Jerky (x)	6	2	3	9	8
Price in dollars (y)	84	28	42	126	112

For every pound of beef jerky it cost _____ dollars.

6)

Time in minute (x)	9	6	8	4	2
Gallons of Water Used (y)	225	150	200	100	50

Every minute _____ gallons of water are used.

7)

Concrete Blocks (x)	7	2	3	8	4
weight in kilograms (y)	42	12	18	48	24

Every concrete block weighs _____ kilograms.

8)

Votes for Emily (x)	3	6	5	8	7
Votes for Cody (y)	132	264	220	352	308

For Every vote for Emily there were _____ votes for Cody.

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

Ex)

Chocolate Bars (x)	8	3	7	6	10
Calories (y)	2,008	753	1,757	1,506	2,510

Every chocolate bar has ___251___ calories.

Ex. __**y = 251x**__

1)

Pieces of Chicken (x)	7	6	10	4	8
Price in dollars (y)	14	12	20	8	16

For each piece of chicken it costs ___2___ dollars.

1. __**y = 2x**__

2. __**y = 17x**__

2)

Boxes of Candy (x)	10	8	3	5	4
Pieces of Candy (y)	170	136	51	85	68

For every box of candy you get ___17___ pieces.

3. __**y = 13x**__

4. __**y = 19x**__

3)

Tickets Sold (x)	8	2	9	5	4
Money Earned (y)	104	26	117	65	52

Every ticket sold ___13___ dollars are earned.

5. __**y = 14x**__

6. __**y = 25x**__

4)

Time in minute (x)	4	6	7	8	3
Distance traveled in meters (y)	76	114	133	152	57

Every minute ___19___ meters are travelled.

7. __**y = 6x**__

8. __**y = 44x**__

5)

Pounds of Beef Jerky (x)	6	2	3	9	8
Price in dollars (y)	84	28	42	126	112

For every pound of beef jerky it cost ___14___ dollars.

6)

Time in minute (x)	9	6	8	4	2
Gallons of Water Used (y)	225	150	200	100	50

Every minute ___25___ gallons of water are used.

7)

Concrete Blocks (x)	7	2	3	8	4
weight in kilograms (y)	42	12	18	48	24

Every concrete block weighs ___6___ kilograms.

8)

Votes for Emily (x)	3	6	5	8	7
Votes for Cody (y)	132	264	220	352	308

For Every vote for Emily there were ___44___ votes for Cody.

1-8	88	75	63	50	38	25	13	0

Identifying Constant of Proportionality (Tables)   Name:

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

Ex)

Glasses of Lemonade (x)	7	10	9	3	4
Lemons Used (y)	28	40	36	12	16

For every glass of lemonade there were ___4___ lemons used.

Ex. **y = 4x**

1)

Time in minute (x)	7	4	2	10	3
Gallons of Water Used (y)	182	104	52	260	78

Every minute _____ gallons of water are used.

1. _____

2. _____

2)

Concrete Blocks (x)	8	2	3	4	7
weight in kilograms (y)	40	10	15	20	35

Every concrete block weighs _____ kilograms.

3. _____

4. _____

3)

Cans of Paint (x)	4	8	9	7	5
Bird Houses Painted (y)	20	40	45	35	25

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

5. _____

6. _____

4)

Lawns Mowed (x)	10	9	7	3	5
Dollars Earned (y)	310	279	217	93	155

For every lawn mowed _____ dollars were earned.

7. _____

5)

Chocolate Bars (x)	8	4	6	2	3
Calories (y)	2,032	1,016	1,524	508	762

Every chocolate bar has _____ calories.

8. _____

6)

Time in minute (x)	4	3	9	6	8
Distance traveled in meters (y)	44	33	99	66	88

Every minute _____ meters are travelled.

7)

Enemies Destroyed (x)	3	5	8	6	4
Points Earned (y)	78	130	208	156	104

Every enemy destroyed earns _____ points.

8)

Pounds of Beef Jerky (x)	4	6	5	7	10
Price in dollars (y)	40	60	50	70	100

For every pound of beef jerky it cost _____ dollars.

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

Answers

Ex)

Glasses of Lemonade (x)	7	10	9	3	4
Lemons Used (y)	28	40	36	12	16

For every glass of lemonade there were ___4___ lemons used.

Ex. ___**y = 4x**___

1)

Time in minute (x)	7	4	2	10	3
Gallons of Water Used (y)	182	104	52	260	78

Every minute ___26___ gallons of water are used.

1. ___**y = 26x**___

2. ___**y = 5x**___

2)

Concrete Blocks (x)	8	2	3	4	7
weight in kilograms (y)	40	10	15	20	35

Every concrete block weighs ___5___ kilograms.

3. ___**y = 5x**___

4. ___**y = 31x**___

3)

Cans of Paint (x)	4	8	9	7	5
Bird Houses Painted (y)	20	40	45	35	25

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

5. ___**y = 254x**___

6. ___**y = 11x**___

4)

Lawns Mowed (x)	10	9	7	3	5
Dollars Earned (y)	310	279	217	93	155

For every lawn mowed ___31___ dollars were earned.

7. ___**y = 26x**___

8. ___**y = 10x**___

5)

Chocolate Bars (x)	8	4	6	2	3
Calories (y)	2,032	1,016	1,524	508	762

Every chocolate bar has ___254___ calories.

6)

Time in minute (x)	4	3	9	6	8
Distance traveled in meters (y)	44	33	99	66	88

Every minute ___11___ meters are travelled.

7)

Enemies Destroyed (x)	3	5	8	6	4
Points Earned (y)	78	130	208	156	104

Every enemy destroyed earns ___26___ points.

8)

Pounds of Beef Jerky (x)	4	6	5	7	10
Price in dollars (y)	40	60	50	70	100

For every pound of beef jerky it cost ___10___ dollars.

1-8	88	75	63	50	38	25	13	0