Identifying Constant of Proportionality (Tables) Name:

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

Ex)

Phone Sold (x)	7	9	4	2	8
Money Earned (y)	301	387	172	86	344

Every phone sold earns __43__ dollars.

1)

Enemies Destroyed (x)	2	10	9	6	7
Points Earned (y)	50	250	225	150	175

Every enemy destroyed earns _____ points.

2)

Time in minute (x)	6	4	3	8	5
Gallons of Water Used (y)	192	128	96	256	160

Every minute _____ gallons of water are used.

3)

Glasses of Lemonade (x)	7	3	2	4	10
Lemons Used (y)	21	9	6	12	30

For every glass of lemonade there were _____ lemons used.

4)

Pounds of Beef Jerky (x)	7	6	10	9	3
Price in dollars (y)	77	66	110	99	33

For every pound of beef jerky it cost _____ dollars.

5)

Tickets Sold (x)	10	6	7	9	4
Money Earned (y)	100	60	70	90	40

Every ticket sold _____ dollars are earned.

6)

Pieces of Chicken (x)	4	7	8	2	3
Price in dollars (y)	8	14	16	4	6

For each piece of chicken it costs _____ dollars.

7)

Boxes of Candy (x)	3	10	9	5	6
Pieces of Candy (y)	51	170	153	85	102

For every box of candy you get _____ pieces.

8)

Cans of Paint (x)	4	5	10	7	8
Bird Houses Painted (y)	16	20	40	28	32

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

Answers

Ex. y = 43x

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Identifying Constant of Proportionality (Tables) Name: **Answer Key**

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

Ex)

Phone Sold (x)	7	9	4	2	8
Money Earned (y)	301	387	172	86	344

Every phone sold earns 43 dollars.

1)

Enemies Destroyed (x)	2	10	9	6	7
Points Earned (y)	50	250	225	150	175

Every enemy destroyed earns 25 points.

2)

Time in minute (x)	6	4	3	8	5
Gallons of Water Used (y)	192	128	96	256	160

Every minute 32 gallons of water are used.

3)

Glasses of Lemonade (x)	7	3	2	4	10
Lemons Used (y)	21	9	6	12	30

For every glass of lemonade there were 3 lemons used.

4)

Pounds of Beef Jerky (x)	7	6	10	9	3
Price in dollars (y)	77	66	110	99	33

For every pound of beef jerky it cost 11 dollars.

5)

Tickets Sold (x)	10	6	7	9	4
Money Earned (y)	100	60	70	90	40

Every ticket sold 10 dollars are earned.

6)

Pieces of Chicken (x)	4	7	8	2	3
Price in dollars (y)	8	14	16	4	6

For each piece of chicken it costs 2 dollars.

7)

Boxes of Candy (x)	3	10	9	5	6
Pieces of Candy (y)	51	170	153	85	102

For every box of candy you get 17 pieces.

8)

Cans of Paint (x)	4	5	10	7	8
Bird Houses Painted (y)	16	20	40	28	32

For every can of paint you could paint 4 bird houses.

Answers

Ex. y = 43x

1. y = 25x
2. y = 32x
3. y = 3x
4. y = 11x
5. y = 10x
6. y = 2x
7. y = 17x
8. y = 4x

1-8	88	75	63	50	38	25	13	0