Identifying Constant of Proportionality (Tables)

Name:

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

Ex)

Tickets Sold (x)	8	5	7	9	2
Money Earned (y)	104	65	91	117	26

Every ticket sold 13 dollars are earned.

1)

Lawns Mowed (x)	7	10	4	5	8
Dollars Earned (y)	280	400	160	200	320

For every lawn mowed __ dollars were earned.

2)

Boxes of Candy (x)	4	2	10	7	8
Pieces of Candy (y)	64	32	160	112	128

For every box of candy you get __ pieces.

3)

Cans of Paint (x)	2	4	6	3	7
Bird Houses Painted (y)	10	20	30	15	35

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

4)

Phone Sold (x)	7	10	2	3	8
Money Earned (y)	189	270	54	81	216

Every phone sold earns __ dollars.

5)

Pounds of Beef Jerky (x)	8	5	7	2	4
Price in dollars (y)	120	75	105	30	60

For every pound of beef jerky it cost __ dollars.

6)

Glasses of Lemonade (x)	5	3	2	8	4
Lemons Used (y)	20	12	8	32	16

For every glass of lemonade there were _ lemons used.

7)

Chocolate Bars (x)	9	10	7	2	6
Calories (y)	2,457	2,730	1,911	546	1,638

Every chocolate bar has ___ calories.

8)

Votes for Debby (x)	2	4	5	7	10
Votes for Ned (y)	70	140	175	245	350

For Every vote for Debby there were __ votes for Ned.

Answers

Ex. y = 13x

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)

Tickets Sold (x)	8	5	7	9	2
Money Earned (y)	104	65	91	117	26

Every ticket sold 13 dollars are earned.

1)

Lawns Mowed (x)	7	10	4	5	8
Dollars Earned (y)	280	400	160	200	320

For every lawn mowed 40 dollars were earned.

2)

Boxes of Candy (x)	4	2	10	7	8
Pieces of Candy (y)	64	32	160	112	128

For every box of candy you get 16 pieces.

3)

Cans of Paint (x)	2	4	6	3	7
Bird Houses Painted (y)	10	20	30	15	35

For every can of paint you could paint 5 bird houses.

4)

Phone Sold (x)	7	10	2	3	8
Money Earned (y)	189	270	54	81	216

Every phone sold earns 27 dollars.

5)

Pounds of Beef Jerky (x)	8	5	7	2	4
Price in dollars (y)	120	75	105	30	60

For every pound of beef jerky it cost 15 dollars.

6)

Glasses of Lemonade (x)	5	3	2	8	4
Lemons Used (y)	20	12	8	32	16

For every glass of lemonade there were 4 lemons used.

7)

Chocolate Bars (x)	9	10	7	2	6
Calories (y)	2,457	2,730	1,911	546	1,638

Every chocolate bar has 273 calories.

8)

Votes for Debby (x)	2	4	5	7	10
Votes for Ned (y)	70	140	175	245	350

For Every vote for Debby there were 35 votes for Ned.

Answers

Ex. y = 13x

1. y = 40x
2. y = 16x
3. y = 5x
4. y = 27x
5. y = 15x
6. y = 4x
7. y = 273x
8. y = 35x

1-8	88	75	63	50	38	25	13	0