Identifying Constant of Proportionality (Tables)

Name:

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.

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.

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)

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

Every ticket sold _____ dollars are earned.

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.

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.

Answers

Ex. y = 251x

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)

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.

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.

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)

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

Every ticket sold 13 dollars are earned.

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.

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.

Answers

Ex. y = 251x

1. y = 2x
2. y = 17x
3. y = 13x
4. y = 19x
5. y = 14x
6. y = 25x
7. y = 6x
8. y = 44x

1-8	88	75	63	50	38	25	13	0