Identifying Constant of Proportionality (Tables)

Name:

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

Ex)

Pounds of Beef Jerky (x)	7	3	2	6	8
Price in dollars (y)	98	42	28	84	112

For every pound of beef jerky it cost 14 dollars.

1)

Tickets Sold (x)	7	10	4	9	8
Money Earned (y)	84	120	48	108	96

Every ticket sold __ dollars are earned.

2)

Concrete Blocks (x)	10	9	8	6	3
weight in kilograms (y)	90	81	72	54	27

Every concrete block weighs _ kilograms.

3)

Lawns Mowed (x)	5	3	9	10	6
Dollars Earned (y)	150	90	270	300	180

For every lawn mowed __ dollars were earned.

4)

Time in minute (x)	6	10	4	9	5
Distance traveled in meters (y)	126	210	84	189	105

Every minute __ meters are travelled.

5)

Phone Sold (x)	2	6	8	3	7
Money Earned (y)	84	252	336	126	294

Every phone sold earns __ dollars.

6)

Pieces of Chicken (x)	8	4	2	5	9
Price in dollars (y)	16	8	4	10	18

For each piece of chicken it costs _ dollars.

7)

Chocolate Bars (x)	4	5	9	3	8
Calories (y)	1,056	1,320	2,376	792	2,112

Every chocolate bar has ___ calories.

8)

Time in minute (x)	2	4	5	8	6
Gallons of Water Used (y)	34	68	85	136	102

Every minute __ gallons of water are used.

Answers

Ex. y = 14x

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)

Pounds of Beef Jerky (x)	7	3	2	6	8
Price in dollars (y)	98	42	28	84	112

For every pound of beef jerky it cost 14 dollars.

1)

Tickets Sold (x)	7	10	4	9	8
Money Earned (y)	84	120	48	108	96

Every ticket sold 12 dollars are earned.

2)

Concrete Blocks (x)	10	9	8	6	3
weight in kilograms (y)	90	81	72	54	27

Every concrete block weighs 9 kilograms.

3)

Lawns Mowed (x)	5	3	9	10	6
Dollars Earned (y)	150	90	270	300	180

For every lawn mowed 30 dollars were earned.

4)

Time in minute (x)	6	10	4	9	5
Distance traveled in meters (y)	126	210	84	189	105

Every minute 21 meters are travelled.

5)

Phone Sold (x)	2	6	8	3	7
Money Earned (y)	84	252	336	126	294

Every phone sold earns 42 dollars.

6)

Pieces of Chicken (x)	8	4	2	5	9
Price in dollars (y)	16	8	4	10	18

For each piece of chicken it costs 2 dollars.

7)

Chocolate Bars (x)	4	5	9	3	8
Calories (y)	1,056	1,320	2,376	792	2,112

Every chocolate bar has 264 calories.

8)

Time in minute (x)	2	4	5	8	6
Gallons of Water Used (y)	34	68	85	136	102

Every minute 17 gallons of water are used.

Answers

Ex. y = 14x

1. y = 12x
2. y = 9x
3. y = 30x
4. y = 21x
5. y = 42x
6. y = 2x
7. y = 264x
8. y = 17x