



Identifying Constant of Proportionality (Tables)

Name: _____

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

Ex)	Tickets Sold (x)	4	2	10	9	7
	Money Earned (y)	56	28	140	126	98

Every ticket sold 14 dollars are earned.

1)	Time in minute (x)	6	5	8	3	9
	Distance traveled in meters (y)	78	65	104	39	117

Every minute _____ meters are travelled.

2)	Lawns Mowed (x)	2	6	10	8	9
	Dollars Earned (y)	90	270	450	360	405

For every lawn mowed _____ dollars were earned.

3)	Cans of Paint (x)	8	5	3	7	4
	Bird Houses Painted (y)	32	20	12	28	16

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

4)	Votes for Faye (x)	5	6	7	8	10
	Votes for George (y)	195	234	273	312	390

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

5)	Time in minute (x)	9	10	2	6	7
	Gallons of Water Used (y)	423	470	94	282	329

Every minute _____ gallons of water are used.

6)	Pounds of Beef Jerky (x)	9	10	3	5	6
	Price in dollars (y)	108	120	36	60	72

For every pound of beef jerky it cost _____ dollars.

7)	Pieces of Chicken (x)	9	8	5	3	2
	Price in dollars (y)	9	8	5	3	2

For each piece of chicken it costs _____ dollars.

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

For every glass of lemonade there were _____ lemons used.

Answers

Ex. $y = 14x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____



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)	4	2	10	9	7
	Money Earned (y)	56	28	140	126	98

Every ticket sold 14 dollars are earned.

1)	Time in minute (x)	6	5	8	3	9
	Distance traveled in meters (y)	78	65	104	39	117

Every minute 13 meters are travelled.

2)	Lawns Mowed (x)	2	6	10	8	9
	Dollars Earned (y)	90	270	450	360	405

For every lawn mowed 45 dollars were earned.

3)	Cans of Paint (x)	8	5	3	7	4
	Bird Houses Painted (y)	32	20	12	28	16

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

4)	Votes for Faye (x)	5	6	7	8	10
	Votes for George (y)	195	234	273	312	390

For Every vote for Faye there were 39 votes for George.

5)	Time in minute (x)	9	10	2	6	7
	Gallons of Water Used (y)	423	470	94	282	329

Every minute 47 gallons of water are used.

6)	Pounds of Beef Jerky (x)	9	10	3	5	6
	Price in dollars (y)	108	120	36	60	72

For every pound of beef jerky it cost 12 dollars.

7)	Pieces of Chicken (x)	9	8	5	3	2
	Price in dollars (y)	9	8	5	3	2

For each piece of chicken it costs 1 dollars.

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

For every glass of lemonade there were 3 lemons used.**Answers**Ex. $y = 14x$ 1. $y = 13x$ 2. $y = 45x$ 3. $y = 4x$ 4. $y = 39x$ 5. $y = 47x$ 6. $y = 12x$ 7. $y = 1x$ 8. $y = 3x$