Identifying Constant of Proportionality (Tables)

Name:

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

Ex)

Time in minute (x)	6	4	9	7	3
Distance traveled in meters (y)	66	44	99	77	33

Every minute ___11___ meters are travelled.

Ex. ___**y = 11x**___

1)

Pieces of Chicken (x)	5	9	7	4	2
Price in dollars (y)	10	18	14	8	4

For each piece of chicken it costs _____ dollars.

1. _____

2. _____

2)

Lawns Mowed (x)	8	9	2	7	5
Dollars Earned (y)	328	369	82	287	205

For every lawn mowed _____ dollars were earned.

3. _____

4. _____

5. _____

3)

Boxes of Candy (x)	4	5	6	9	10
Pieces of Candy (y)	60	75	90	135	150

For every box of candy you get _____ pieces.

6. _____

7. _____

4)

Glasses of Lemonade (x)	7	4	8	9	5
Lemons Used (y)	21	12	24	27	15

For every glass of lemonade there were _____ lemons used.

8. _____

5)

Pounds of Beef Jerky (x)	2	9	4	6	7
Price in dollars (y)	20	90	40	60	70

For every pound of beef jerky it cost _____ dollars.

6)

Chocolate Bars (x)	2	6	10	8	5
Calories (y)	526	1,578	2,630	2,104	1,315

Every chocolate bar has _____ calories.

7)

Tickets Sold (x)	6	4	9	7	5
Money Earned (y)	84	56	126	98	70

Every ticket sold _____ dollars are earned.

8)

Time in minute (x)	6	5	2	8	7
Gallons of Water Used (y)	180	150	60	240	210

Every minute _____ gallons of water are used.

Math

1-8 | 88 | 75 | 63 | 50 | 38 | 25 | 13 | 0

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

Ex)

Time in minute (x)	6	4	9	7	3
Distance traveled in meters (y)	66	44	99	77	33

Every minute ___11___ meters are travelled.

Ex. __**y = 11x**__

1)

Pieces of Chicken (x)	5	9	7	4	2
Price in dollars (y)	10	18	14	8	4

For each piece of chicken it costs ___2___ dollars.

1. __**y = 2x**__

2)

Lawns Mowed (x)	8	9	2	7	5
Dollars Earned (y)	328	369	82	287	205

For every lawn mowed ___41___ dollars were earned.

2. __**y = 41x**__

3)

Boxes of Candy (x)	4	5	6	9	10
Pieces of Candy (y)	60	75	90	135	150

For every box of candy you get ___15___ pieces.

3. __**y = 15x**__

4)

Glasses of Lemonade (x)	7	4	8	9	5
Lemons Used (y)	21	12	24	27	15

For every glass of lemonade there were ___3___ lemons used.

4. __**y = 3x**__

5)

Pounds of Beef Jerky (x)	2	9	4	6	7
Price in dollars (y)	20	90	40	60	70

For every pound of beef jerky it cost ___10___ dollars.

5. __**y = 10x**__

6)

Chocolate Bars (x)	2	6	10	8	5
Calories (y)	526	1,578	2,630	2,104	1,315

Every chocolate bar has ___263___ calories.

6. __**y = 263x**__

7)

Tickets Sold (x)	6	4	9	7	5
Money Earned (y)	84	56	126	98	70

Every ticket sold ___14___ dollars are earned.

7. __**y = 14x**__

8)

Time in minute (x)	6	5	2	8	7
Gallons of Water Used (y)	180	150	60	240	210

Every minute ___30___ gallons of water are used.

8. __**y = 30x**__

Math   www.CommonCoreSheets.com