Identifying Constant of Proportionality (Tables)

Name:

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

Answers

Ex)

Tickets Sold (x)	2	9	5	10	6
Money Earned (y)	26	117	65	130	78

Every ticket sold ___13___ dollars are earned.

Ex. ___**y = 13x**___

1)

Cans of Paint (x)	4	5	7	8	6
Bird Houses Painted (y)	16	20	28	32	24

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

1. _____

2)

Boxes of Candy (x)	7	5	2	10	6
Pieces of Candy (y)	126	90	36	180	108

For every box of candy you get _____ pieces.

2. _____

3. _____

3)

Lawns Mowed (x)	4	8	6	9	7
Dollars Earned (y)	168	336	252	378	294

For every lawn mowed _____ dollars were earned.

4. _____

5. _____

4)

Glasses of Lemonade (x)	6	3	7	9	2
Lemons Used (y)	18	9	21	27	6

For every glass of lemonade there were _____ lemons used.

6. _____

5)

Chocolate Bars (x)	10	2	6	4	8
Calories (y)	3,300	660	1,980	1,320	2,640

Every chocolate bar has _____ calories.

7. _____

6)

Time in minute (x)	7	2	8	10	3
Distance traveled in meters (y)	77	22	88	110	33

Every minute _____ meters are travelled.

8. _____

7)

Concrete Blocks (x)	6	7	4	8	5
weight in kilograms (y)	60	70	40	80	50

Every concrete block weighs _____ kilograms.

8)

Pounds of Beef Jerky (x)	5	8	9	7	2
Price in dollars (y)	55	88	99	77	22

For every pound of beef jerky it cost _____ dollars.

Math

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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)

Tickets Sold (x)	2	9	5	10	6
Money Earned (y)	26	117	65	130	78

Every ticket sold ___13___ dollars are earned.

Ex. ___**y = 13x**___

1)

Cans of Paint (x)	4	5	7	8	6
Bird Houses Painted (y)	16	20	28	32	24

For every can of paint you could paint ___4___ bird houses.

1. ___**y = 4x**___

2)

Boxes of Candy (x)	7	5	2	10	6
Pieces of Candy (y)	126	90	36	180	108

For every box of candy you get ___18___ pieces.

2. ___**y = 18x**___

3)

Lawns Mowed (x)	4	8	6	9	7
Dollars Earned (y)	168	336	252	378	294

For every lawn mowed ___42___ dollars were earned.

3. ___**y = 42x**___

4. ___**y = 3x**___

4)

Glasses of Lemonade (x)	6	3	7	9	2
Lemons Used (y)	18	9	21	27	6

For every glass of lemonade there were ___3___ lemons used.

5. ___**y = 330x**___

5)

Chocolate Bars (x)	10	2	6	4	8
Calories (y)	3,300	660	1,980	1,320	2,640

Every chocolate bar has ___330___ calories.

6. ___**y = 11x**___

6)

Time in minute (x)	7	2	8	10	3
Distance traveled in meters (y)	77	22	88	110	33

Every minute ___11___ meters are travelled.

7. ___**y = 10x**___

7)

Concrete Blocks (x)	6	7	4	8	5
weight in kilograms (y)	60	70	40	80	50

Every concrete block weighs ___10___ kilograms.

8. ___**y = 11x**___

8)

Pounds of Beef Jerky (x)	5	8	9	7	2
Price in dollars (y)	55	88	99	77	22

For every pound of beef jerky it cost ___11___ dollars.

Math