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)	9	10	8	5	3
Price in dollars (y)	144	160	128	80	48

For every pound of beef jerky it cost ___16___ dollars.

Ex. ___**y = 16x**___

1)

Concrete Blocks (x)	6	7	4	8	9
weight in kilograms (y)	36	42	24	48	54

Every concrete block weighs _____ kilograms.

1. _____

2. _____

2)

Chocolate Bars (x)	7	4	3	2	10
Calories (y)	1,925	1,100	825	550	2,750

Every chocolate bar has _____ calories.

3. _____

4. _____

3)

Pieces of Chicken (x)	5	6	8	10	2
Price in dollars (y)	5	6	8	10	2

For each piece of chicken it costs _____ dollars.

5. _____

6. _____

7. _____

4)

Time in minute (x)	9	3	5	2	10
Distance traveled in meters (y)	180	60	100	40	200

Every minute _____ meters are travelled.

8. _____

5)

Tickets Sold (x)	7	2	9	8	5
Money Earned (y)	98	28	126	112	70

Every ticket sold _____ dollars are earned.

6)

Boxes of Candy (x)	4	7	5	8	6
Pieces of Candy (y)	68	119	85	136	102

For every box of candy you get _____ pieces.

7)

Enemies Destroyed (x)	6	5	10	2	7
Points Earned (y)	222	185	370	74	259

Every enemy destroyed earns _____ points.

8)

Cans of Paint (x)	10	5	6	8	9
Bird Houses Painted (y)	40	20	24	32	36

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

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

Math

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

Answers

Ex)

Pounds of Beef Jerky (x)	9	10	8	5	3
Price in dollars (y)	144	160	128	80	48

For every pound of beef jerky it cost ___16___ dollars.

Ex. **y = 16x**

1)

Concrete Blocks (x)	6	7	4	8	9
weight in kilograms (y)	36	42	24	48	54

Every concrete block weighs ___6___ kilograms.

1. **y = 6x**

2)

Chocolate Bars (x)	7	4	3	2	10
Calories (y)	1,925	1,100	825	550	2,750

Every chocolate bar has ___275___ calories.

2. **y = 275x**

3)

Pieces of Chicken (x)	5	6	8	10	2
Price in dollars (y)	5	6	8	10	2

For each piece of chicken it costs ___1___ dollars.

3. **y = 1x**

4)

Time in minute (x)	9	3	5	2	10
Distance traveled in meters (y)	180	60	100	40	200

Every minute ___20___ meters are travelled.

4. **y = 20x**

5)

Tickets Sold (x)	7	2	9	8	5
Money Earned (y)	98	28	126	112	70

Every ticket sold ___14___ dollars are earned.

5. **y = 14x**

6)

Boxes of Candy (x)	4	7	5	8	6
Pieces of Candy (y)	68	119	85	136	102

For every box of candy you get ___17___ pieces.

6. **y = 17x**

7)

Enemies Destroyed (x)	6	5	10	2	7
Points Earned (y)	222	185	370	74	259

Every enemy destroyed earns ___37___ points.

7. **y = 37x**

8)

Cans of Paint (x)	10	5	6	8	9
Bird Houses Painted (y)	40	20	24	32	36

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

8. **y = 4x**