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)	2	9	10	3	6
Price in dollars (y)	22	99	110	33	66

For every pound of beef jerky it cost 11 dollars.

1)

Time in minute (x)	10	5	2	8	4
Distance traveled in meters (y)	100	50	20	80	40

Every minute _____ meters are travelled.

2)

Chocolate Bars (x)	10	5	3	2	9
Calories (y)	2,020	1,010	606	404	1,818

Every chocolate bar has _____ calories.

3)

Enemies Destroyed (x)	3	2	4	5	6
Points Earned (y)	129	86	172	215	258

Every enemy destroyed earns _____ points.

4)

Lawns Mowed (x)	7	4	3	9	2
Dollars Earned (y)	273	156	117	351	78

For every lawn mowed _____ dollars were earned.

5)

Phone Sold (x)	5	2	4	3	10
Money Earned (y)	190	76	152	114	380

Every phone sold earns _____ dollars.

6)

Cans of Paint (x)	6	3	8	9	2
Bird Houses Painted (y)	30	15	40	45	10

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

7)

Time in minute (x)	2	7	8	10	4
Gallons of Water Used (y)	96	336	384	480	192

Every minute _____ gallons of water are used.

8)

Concrete Blocks (x)	9	5	6	3	4
weight in kilograms (y)	72	40	48	24	32

Every concrete block weighs _____ kilograms.

Answers

Ex. y = 11x

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)	2	9	10	3	6
Price in dollars (y)	22	99	110	33	66

For every pound of beef jerky it cost 11 dollars.

1)

Time in minute (x)	10	5	2	8	4
Distance traveled in meters (y)	100	50	20	80	40

Every minute 10 meters are travelled.

2)

Chocolate Bars (x)	10	5	3	2	9
Calories (y)	2,020	1,010	606	404	1,818

Every chocolate bar has 202 calories.

3)

Enemies Destroyed (x)	3	2	4	5	6
Points Earned (y)	129	86	172	215	258

Every enemy destroyed earns 43 points.

4)

Lawns Mowed (x)	7	4	3	9	2
Dollars Earned (y)	273	156	117	351	78

For every lawn mowed 39 dollars were earned.

5)

Phone Sold (x)	5	2	4	3	10
Money Earned (y)	190	76	152	114	380

Every phone sold earns 38 dollars.

6)

Cans of Paint (x)	6	3	8	9	2
Bird Houses Painted (y)	30	15	40	45	10

For every can of paint you could paint 5 bird houses.

7)

Time in minute (x)	2	7	8	10	4
Gallons of Water Used (y)	96	336	384	480	192

Every minute 48 gallons of water are used.

8)

Concrete Blocks (x)	9	5	6	3	4
weight in kilograms (y)	72	40	48	24	32

Every concrete block weighs 8 kilograms.

Answers

Ex. y = 11x

1. y = 10x
2. y = 202x
3. y = 43x
4. y = 39x
5. y = 38x
6. y = 5x
7. y = 48x
8. y = 8x

1-8	88	75	63	50	38	25	13	0