



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

Answers

Ex)

Glasses of Lemonade (x)	7	10	9	3	4
Lemons Used (y)	28	40	36	12	16

Ex. $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. _____

1)

Time in minute (x)	7	4	2	10	3
Gallons of Water Used (y)	182	104	52	260	78

2. _____

Every minute _____ gallons of water are used.

3. _____

2)

Concrete Blocks (x)	8	2	3	4	7
weight in kilograms (y)	40	10	15	20	35

4. _____

Every concrete block weighs _____ kilograms.

5. _____

3)

Cans of Paint (x)	4	8	9	7	5
Bird Houses Painted (y)	20	40	45	35	25

6. _____

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

7. _____

4)

Lawns Mowed (x)	10	9	7	3	5
Dollars Earned (y)	310	279	217	93	155

8. _____

For every lawn mowed _____ dollars were earned.

5)

Chocolate Bars (x)	8	4	6	2	3
Calories (y)	2,032	1,016	1,524	508	762

Every chocolate bar has _____ calories.

6)

Time in minute (x)	4	3	9	6	8
Distance traveled in meters (y)	44	33	99	66	88

Every minute _____ meters are travelled.

7)

Enemies Destroyed (x)	3	5	8	6	4
Points Earned (y)	78	130	208	156	104

Every enemy destroyed earns _____ points.

8)

Pounds of Beef Jerky (x)	4	6	5	7	10
Price in dollars (y)	40	60	50	70	100

For every pound of beef jerky it cost _____ dollars.

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Ex)

Glasses of Lemonade (x)	7	10	9	3	4
Lemons Used (y)	28	40	36	12	16

Ex. $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. $y = 26x$

1)

Time in minute (x)	7	4	2	10	3
Gallons of Water Used (y)	182	104	52	260	78

2. $y = 5x$

Every minute 26 gallons of water are used.

3. $y = 5x$

2)

Concrete Blocks (x)	8	2	3	4	7
weight in kilograms (y)	40	10	15	20	35

4. $y = 31x$

Every concrete block weighs 5 kilograms.

5. $y = 254x$

3)

Cans of Paint (x)	4	8	9	7	5
Bird Houses Painted (y)	20	40	45	35	25

6. $y = 11x$

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

7. $y = 26x$

4)

Lawns Mowed (x)	10	9	7	3	5
Dollars Earned (y)	310	279	217	93	155

8. $y = 10x$

For every lawn mowed 31 dollars were earned.

5)

Chocolate Bars (x)	8	4	6	2	3
Calories (y)	2,032	1,016	1,524	508	762

Every chocolate bar has 254 calories.

6)

Time in minute (x)	4	3	9	6	8
Distance traveled in meters (y)	44	33	99	66	88

Every minute 11 meters are travelled.

7)

Enemies Destroyed (x)	3	5	8	6	4
Points Earned (y)	78	130	208	156	104

Every enemy destroyed earns 26 points.

8)

Pounds of Beef Jerky (x)	4	6	5	7	10
Price in dollars (y)	40	60	50	70	100

For every pound of beef jerky it cost 10 dollars.