



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

Answers

Ex)

Chocolate Bars (x)	6	10	4	7	5
Calories (y)	2,376	3,960	1,584	2,772	1,980

Every chocolate bar has 396 calories.

Ex. $y = 396x$

1)

Pieces of Chicken (x)	6	7	8	9	2
Price in dollars (y)	12	14	16	18	4

For each piece of chicken it costs dollars.

1. _____

2)

Pounds of Beef Jerky (x)	3	7	8	9	4
Price in dollars (y)	30	70	80	90	40

For every pound of beef jerky it cost dollars.

2. _____

3)

Time in minute (x)	5	7	10	2	9
Distance traveled in meters (y)	95	133	190	38	171

Every minute meters are travelled.

3. _____

4)

Cans of Paint (x)	10	7	3	8	2
Bird Houses Painted (y)	50	35	15	40	10

For every can of paint you could paint bird houses.

4. _____

5)

Glasses of Lemonade (x)	3	6	10	5	8
Lemons Used (y)	15	30	50	25	40

For every glass of lemonade there were lemons used.

5. _____

6)

Concrete Blocks (x)	8	2	7	9	6
weight in kilograms (y)	80	20	70	90	60

Every concrete block weighs kilograms.

6. _____

7)

Boxes of Candy (x)	9	8	6	2	4
Pieces of Candy (y)	180	160	120	40	80

For every box of candy you get pieces.

7. _____

8)

Lawns Mowed (x)	5	10	9	8	7
Dollars Earned (y)	220	440	396	352	308

For every lawn mowed dollars were earned.

8. _____



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Ex)

Chocolate Bars (x)	6	10	4	7	5
Calories (y)	2,376	3,960	1,584	2,772	1,980

Every chocolate bar has 396 calories.

1)

Pieces of Chicken (x)	6	7	8	9	2
Price in dollars (y)	12	14	16	18	4

For each piece of chicken it costs 2 dollars.

2)

Pounds of Beef Jerky (x)	3	7	8	9	4
Price in dollars (y)	30	70	80	90	40

For every pound of beef jerky it cost 10 dollars.

3)

Time in minute (x)	5	7	10	2	9
Distance traveled in meters (y)	95	133	190	38	171

Every minute 19 meters are travelled.

4)

Cans of Paint (x)	10	7	3	8	2
Bird Houses Painted (y)	50	35	15	40	10

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

5)

Glasses of Lemonade (x)	3	6	10	5	8
Lemons Used (y)	15	30	50	25	40

For every glass of lemonade there were 5 lemons used.

6)

Concrete Blocks (x)	8	2	7	9	6
weight in kilograms (y)	80	20	70	90	60

Every concrete block weighs 10 kilograms.

7)

Boxes of Candy (x)	9	8	6	2	4
Pieces of Candy (y)	180	160	120	40	80

For every box of candy you get 20 pieces.

8)

Lawns Mowed (x)	5	10	9	8	7
Dollars Earned (y)	220	440	396	352	308

For every lawn mowed 44 dollars were earned.

Answers

Ex. $y = 396x$

1. $y = 2x$

2. $y = 10x$

3. $y = 19x$

4. $y = 5x$

5. $y = 5x$

6. $y = 10x$

7. $y = 20x$

8. $y = 44x$