



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

Answers

Ex)

Tickets Sold (x)	9	4	7	2	10
Money Earned (y)	108	48	84	24	120

Every ticket sold 12 dollars are earned.

Ex. $y = 12x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

1)

Pieces of Chicken (x)	4	7	8	10	9
Price in dollars (y)	4	7	8	10	9

For each piece of chicken it costs _____ dollars.

2)

Chocolate Bars (x)	10	8	5	4	7
Calories (y)	2,030	1,624	1,015	812	1,421

Every chocolate bar has _____ calories.

3)

Boxes of Candy (x)	9	4	5	8	3
Pieces of Candy (y)	162	72	90	144	54

For every box of candy you get _____ pieces.

4)

Glasses of Lemonade (x)	3	7	8	9	6
Lemons Used (y)	15	35	40	45	30

For every glass of lemonade there were _____ lemons used.

5)

Concrete Blocks (x)	4	7	2	3	5
weight in kilograms (y)	20	35	10	15	25

Every concrete block weighs _____ kilograms.

6)

Phone Sold (x)	8	2	7	6	10
Money Earned (y)	272	68	238	204	340

Every phone sold earns _____ dollars.

7)

Time in minute (x)	3	10	7	2	8
Gallons of Water Used (y)	147	490	343	98	392

Every minute _____ gallons of water are used.

8)

Cans of Paint (x)	6	7	4	2	9
Bird Houses Painted (y)	30	35	20	10	45

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

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

Ex)

Tickets Sold (x)	9	4	7	2	10
Money Earned (y)	108	48	84	24	120

Every ticket sold 12 dollars are earned.

Ex. $y = 12x$

1)

Pieces of Chicken (x)	4	7	8	10	9
Price in dollars (y)	4	7	8	10	9

For each piece of chicken it costs 1 dollars.

1. $y = 1x$

2)

Chocolate Bars (x)	10	8	5	4	7
Calories (y)	2,030	1,624	1,015	812	1,421

Every chocolate bar has 203 calories.

2. $y = 203x$

3)

Boxes of Candy (x)	9	4	5	8	3
Pieces of Candy (y)	162	72	90	144	54

For every box of candy you get 18 pieces.

3. $y = 18x$

4)

Glasses of Lemonade (x)	3	7	8	9	6
Lemons Used (y)	15	35	40	45	30

For every glass of lemonade there were 5 lemons used.

4. $y = 5x$

5)

Concrete Blocks (x)	4	7	2	3	5
weight in kilograms (y)	20	35	10	15	25

Every concrete block weighs 5 kilograms.

5. $y = 5x$

6)

Phone Sold (x)	8	2	7	6	10
Money Earned (y)	272	68	238	204	340

Every phone sold earns 34 dollars.

6. $y = 34x$

7)

Time in minute (x)	3	10	7	2	8
Gallons of Water Used (y)	147	490	343	98	392

Every minute 49 gallons of water are used.

7. $y = 49x$

8)

Cans of Paint (x)	6	7	4	2	9
Bird Houses Painted (y)	30	35	20	10	45

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

8. $y = 5x$