



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

Answers

Ex)

Phone Sold (x)	10	2	5	3	8
Money Earned (y)	320	64	160	96	256

Every phone sold earns 32 dollars.

Ex. $y = 32x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

1)

Cans of Paint (x)	2	10	7	3	6
Bird Houses Painted (y)	8	40	28	12	24

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

2)

Pounds of Beef Jerky (x)	9	10	6	5	4
Price in dollars (y)	135	150	90	75	60

For every pound of beef jerky it cost _____ dollars.

3)

Pieces of Chicken (x)	8	5	2	3	7
Price in dollars (y)	16	10	4	6	14

For each piece of chicken it costs _____ dollars.

4)

Chocolate Bars (x)	9	10	6	7	5
Calories (y)	2,205	2,450	1,470	1,715	1,225

Every chocolate bar has _____ calories.

5)

Concrete Blocks (x)	9	5	10	4	2
weight in kilograms (y)	90	50	100	40	20

Every concrete block weighs _____ kilograms.

6)

Time in minute (x)	10	8	2	5	4
Gallons of Water Used (y)	300	240	60	150	120

Every minute _____ gallons of water are used.

7)

Boxes of Candy (x)	3	5	8	10	9
Pieces of Candy (y)	51	85	136	170	153

For every box of candy you get _____ pieces.

8)

Tickets Sold (x)	3	2	6	5	10
Money Earned (y)	36	24	72	60	120

Every ticket sold _____ dollars are earned.

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

Ex)

Phone Sold (x)	10	2	5	3	8
Money Earned (y)	320	64	160	96	256

Every phone sold earns 32 dollars.

Ex. $y = 32x$

1)

Cans of Paint (x)	2	10	7	3	6
Bird Houses Painted (y)	8	40	28	12	24

For every can of paint you could paint 4 bird houses.

1. $y = 4x$

2)

Pounds of Beef Jerky (x)	9	10	6	5	4
Price in dollars (y)	135	150	90	75	60

For every pound of beef jerky it cost 15 dollars.

2. $y = 15x$

3)

Pieces of Chicken (x)	8	5	2	3	7
Price in dollars (y)	16	10	4	6	14

For each piece of chicken it costs 2 dollars.

3. $y = 2x$

4)

Chocolate Bars (x)	9	10	6	7	5
Calories (y)	2,205	2,450	1,470	1,715	1,225

Every chocolate bar has 245 calories.

4. $y = 245x$

5)

Concrete Blocks (x)	9	5	10	4	2
weight in kilograms (y)	90	50	100	40	20

Every concrete block weighs 10 kilograms.

5. $y = 10x$

6)

Time in minute (x)	10	8	2	5	4
Gallons of Water Used (y)	300	240	60	150	120

Every minute 30 gallons of water are used.

6. $y = 30x$

7)

Boxes of Candy (x)	3	5	8	10	9
Pieces of Candy (y)	51	85	136	170	153

For every box of candy you get 17 pieces.

7. $y = 17x$

8)

Tickets Sold (x)	3	2	6	5	10
Money Earned (y)	36	24	72	60	120

Every ticket sold 12 dollars are earned.

8. $y = 12x$