



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

Answers

Ex)

Concrete Blocks (x)	3	8	10	6	7
weight in kilograms (y)	30	80	100	60	70

Every concrete block weighs 10 kilograms.

Ex. $y = 10x$

1)

Cans of Paint (x)	5	10	6	9	2
Bird Houses Painted (y)	15	30	18	27	6

For every can of paint you could paint bird houses.

1. _____

2. _____

2)

Votes for Faye (x)	9	7	6	8	3
Votes for Victor (y)	342	266	228	304	114

For Every vote for Faye there were votes for Victor.

3. _____

4. _____

5. _____

3)

Chocolate Bars (x)	6	4	10	3	8
Calories (y)	1,212	808	2,020	606	1,616

Every chocolate bar has calories.

6. _____

7. _____

4)

Pieces of Chicken (x)	7	8	6	10	2
Price in dollars (y)	14	16	12	20	4

For each piece of chicken it costs dollars.

8. _____

5)

Boxes of Candy (x)	2	5	9	7	10
Pieces of Candy (y)	32	80	144	112	160

For every box of candy you get pieces.

6)

Lawns Mowed (x)	7	6	10	3	4
Dollars Earned (y)	301	258	430	129	172

For every lawn mowed dollars were earned.

7)

Time in minute (x)	9	2	7	3	10
Distance traveled in meters (y)	117	26	91	39	130

Every minute meters are travelled.

8)

Pounds of Beef Jerky (x)	7	8	5	6	10
Price in dollars (y)	84	96	60	72	120

For every pound of beef jerky it cost dollars.



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Ex)

Concrete Blocks (x)	3	8	10	6	7
weight in kilograms (y)	30	80	100	60	70

Every concrete block weighs 10 kilograms.

1)

Cans of Paint (x)	5	10	6	9	2
Bird Houses Painted (y)	15	30	18	27	6

For every can of paint you could paint 3 bird houses.

2)

Votes for Faye (x)	9	7	6	8	3
Votes for Victor (y)	342	266	228	304	114

For Every vote for Faye there were 38 votes for Victor.

3)

Chocolate Bars (x)	6	4	10	3	8
Calories (y)	1,212	808	2,020	606	1,616

Every chocolate bar has 202 calories.

4)

Pieces of Chicken (x)	7	8	6	10	2
Price in dollars (y)	14	16	12	20	4

For each piece of chicken it costs 2 dollars.

5)

Boxes of Candy (x)	2	5	9	7	10
Pieces of Candy (y)	32	80	144	112	160

For every box of candy you get 16 pieces.

6)

Lawns Mowed (x)	7	6	10	3	4
Dollars Earned (y)	301	258	430	129	172

For every lawn mowed 43 dollars were earned.

7)

Time in minute (x)	9	2	7	3	10
Distance traveled in meters (y)	117	26	91	39	130

Every minute 13 meters are travelled.

8)

Pounds of Beef Jerky (x)	7	8	5	6	10
Price in dollars (y)	84	96	60	72	120

For every pound of beef jerky it cost 12 dollars.

Answers

Ex. $y = 10x$

1. $y = 3x$

2. $y = 38x$

3. $y = 202x$

4. $y = 2x$

5. $y = 16x$

6. $y = 43x$

7. $y = 13x$

8. $y = 12x$