

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

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 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 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 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 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 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.

Answers

Ex. $y = 10x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

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

Ex)

Time in minute (x)	8	9	6	2	4
Gallons of Water Used (y)	264	297	198	66	132

Every minute 33 gallons of water are used.

1)

Pounds of Beef Jerky (x)	10	5	7	9	6
Price in dollars (y)	150	75	105	135	90

For every pound of beef jerky it cost dollars.

2)

Votes for Faye (x)	8	6	3	10	9
Votes for Victor (y)	384	288	144	480	432

For Every vote for Faye there were votes for Victor.

3)

Cans of Paint (x)	10	4	3	7	2
Bird Houses Painted (y)	30	12	9	21	6

For every can of paint you could paint bird houses.

4)

Concrete Blocks (x)	10	6	3	5	2
weight in kilograms (y)	80	48	24	40	16

Every concrete block weighs kilograms.

5)

Lawns Mowed (x)	2	3	7	10	8
Dollars Earned (y)	64	96	224	320	256

For every lawn mowed dollars were earned.

6)

Chocolate Bars (x)	10	7	8	5	3
Calories (y)	2,140	1,498	1,712	1,070	642

Every chocolate bar has calories.

7)

Enemies Destroyed (x)	6	7	3	10	5
Points Earned (y)	186	217	93	310	155

Every enemy destroyed earns points.

8)

Glasses of Lemonade (x)	7	10	4	5	6
Lemons Used (y)	28	40	16	20	24

For every glass of lemonade there were lemons used.

Answers

Ex. $y = 33x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____