

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

Ex)

Pounds of Beef Jerky (x)	4	2	3	9	8
Price in dollars (y)	64	32	48	144	128

For every pound of beef jerky it cost 16 dollars.

1)

Lawns Mowed (x)	4	10	3	8	5
Dollars Earned (y)	140	350	105	280	175

For every lawn mowed dollars were earned.

2)

Pieces of Chicken (x)	3	9	7	5	2
Price in dollars (y)	3	9	7	5	2

For each piece of chicken it costs dollars.

3)

Cans of Paint (x)	4	10	6	8	5
Bird Houses Painted (y)	16	40	24	32	20

For every can of paint you could paint bird houses.

4)

Votes for Janet (x)	10	9	2	7	6
Votes for Henry (y)	190	171	38	133	114

For Every vote for Janet there were votes for Henry.

5)

Time in minute (x)	10	7	6	5	3
Distance traveled in meters (y)	150	105	90	75	45

Every minute meters are travelled.

6)

Phone Sold (x)	9	5	10	6	2
Money Earned (y)	189	105	210	126	42

Every phone sold earns dollars.

7)

Tickets Sold (x)	5	7	10	6	8
Money Earned (y)	75	105	150	90	120

Every ticket sold dollars are earned.

8)

Boxes of Candy (x)	8	6	7	10	9
Pieces of Candy (y)	120	90	105	150	135

For every box of candy you get pieces.**Answers**Ex. $y = 16x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

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Ex)

Pounds of Beef Jerky (x)	4	2	3	9	8
Price in dollars (y)	64	32	48	144	128

For every pound of beef jerky it cost 16 dollars.

1)

Lawns Mowed (x)	4	10	3	8	5
Dollars Earned (y)	140	350	105	280	175

For every lawn mowed 35 dollars were earned.

2)

Pieces of Chicken (x)	3	9	7	5	2
Price in dollars (y)	3	9	7	5	2

For each piece of chicken it costs 1 dollars.

3)

Cans of Paint (x)	4	10	6	8	5
Bird Houses Painted (y)	16	40	24	32	20

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

4)

Votes for Janet (x)	10	9	2	7	6
Votes for Henry (y)	190	171	38	133	114

For Every vote for Janet there were 19 votes for Henry.

5)

Time in minute (x)	10	7	6	5	3
Distance traveled in meters (y)	150	105	90	75	45

Every minute 15 meters are travelled.

6)

Phone Sold (x)	9	5	10	6	2
Money Earned (y)	189	105	210	126	42

Every phone sold earns 21 dollars.

7)

Tickets Sold (x)	5	7	10	6	8
Money Earned (y)	75	105	150	90	120

Every ticket sold 15 dollars are earned.

8)

Boxes of Candy (x)	8	6	7	10	9
Pieces of Candy (y)	120	90	105	150	135

For every box of candy you get 15 pieces.**Answers**

Ex. $y = 16x$

1. $y = 35x$

2. $y = 1x$

3. $y = 4x$

4. $y = 19x$

5. $y = 15x$

6. $y = 21x$

7. $y = 15x$

8. $y = 15x$