



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

Answers

Ex)

Cans of Paint (x)	2	4	7	8	6
Bird Houses Painted (y)	8	16	28	32	24

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

Ex. $y = 4x$

1)

Tickets Sold (x)	8	2	9	7	5
Money Earned (y)	104	26	117	91	65

Every ticket sold dollars are earned.

1. _____

2)

Votes for Faye (x)	9	3	5	8	4
Votes for Victor (y)	270	90	150	240	120

For Every vote for Faye there were votes for Victor.

2. _____

3)

Pieces of Chicken (x)	6	4	9	8	2
Price in dollars (y)	12	8	18	16	4

For each piece of chicken it costs dollars.

3. _____

4)

Enemies Destroyed (x)	10	9	4	7	2
Points Earned (y)	330	297	132	231	66

Every enemy destroyed earns points.

4. _____

5)

Boxes of Candy (x)	10	9	2	6	3
Pieces of Candy (y)	150	135	30	90	45

For every box of candy you get pieces.

5. _____

6)

Glasses of Lemonade (x)	6	8	7	2	4
Lemons Used (y)	24	32	28	8	16

For every glass of lemonade there were lemons used.

6. _____

7)

Time in minute (x)	6	8	9	3	4
Gallons of Water Used (y)	138	184	207	69	92

Every minute gallons of water are used.

7. _____

8)

Phone Sold (x)	9	5	3	4	6
Money Earned (y)	297	165	99	132	198

Every phone sold earns dollars.

8. _____



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Ex)

Cans of Paint (x)	2	4	7	8	6
Bird Houses Painted (y)	8	16	28	32	24

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

1)

Tickets Sold (x)	8	2	9	7	5
Money Earned (y)	104	26	117	91	65

Every ticket sold 13 dollars are earned.

2)

Votes for Faye (x)	9	3	5	8	4
Votes for Victor (y)	270	90	150	240	120

For Every vote for Faye there were 30 votes for Victor.

3)

Pieces of Chicken (x)	6	4	9	8	2
Price in dollars (y)	12	8	18	16	4

For each piece of chicken it costs 2 dollars.

4)

Enemies Destroyed (x)	10	9	4	7	2
Points Earned (y)	330	297	132	231	66

Every enemy destroyed earns 33 points.

5)

Boxes of Candy (x)	10	9	2	6	3
Pieces of Candy (y)	150	135	30	90	45

For every box of candy you get 15 pieces.

6)

Glasses of Lemonade (x)	6	8	7	2	4
Lemons Used (y)	24	32	28	8	16

For every glass of lemonade there were 4 lemons used.

7)

Time in minute (x)	6	8	9	3	4
Gallons of Water Used (y)	138	184	207	69	92

Every minute 23 gallons of water are used.

8)

Phone Sold (x)	9	5	3	4	6
Money Earned (y)	297	165	99	132	198

Every phone sold earns 33 dollars.

Answers

Ex. $y = 4x$

1. $y = 13x$

2. $y = 30x$

3. $y = 2x$

4. $y = 33x$

5. $y = 15x$

6. $y = 4x$

7. $y = 23x$

8. $y = 33x$