



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

Answers

Ex)

Cans of Paint (x)	3	10	5	8	9
Bird Houses Painted (y)	12	40	20	32	36

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

Ex. $y = 4x$

1)

Concrete Blocks (x)	4	9	5	7	6
weight in kilograms (y)	20	45	25	35	30

Every concrete block weighs kilograms.

1. _____

2)

Glasses of Lemonade (x)	4	10	3	6	8
Lemons Used (y)	12	30	9	18	24

For every glass of lemonade there were lemons used.

2. _____

3)

Boxes of Candy (x)	8	9	6	5	4
Pieces of Candy (y)	120	135	90	75	60

For every box of candy you get pieces.

3. _____

4)

Enemies Destroyed (x)	10	5	8	3	9
Points Earned (y)	440	220	352	132	396

Every enemy destroyed earns points.

4. _____

5)

Pieces of Chicken (x)	2	4	3	5	10
Price in dollars (y)	2	4	3	5	10

For each piece of chicken it costs dollars.

5. _____

6)

Pounds of Beef Jerky (x)	7	10	3	6	5
Price in dollars (y)	112	160	48	96	80

For every pound of beef jerky it cost dollars.

6. _____

7)

Votes for Rachel (x)	8	2	4	10	3
Votes for John (y)	256	64	128	320	96

For Every vote for Rachel there were votes for John.

7. _____

8)

Phone Sold (x)	10	2	3	8	5
Money Earned (y)	410	82	123	328	205

Every phone sold earns dollars.

8. _____



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Ex)

Cans of Paint (x)	3	10	5	8	9
Bird Houses Painted (y)	12	40	20	32	36

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

1)

Concrete Blocks (x)	4	9	5	7	6
weight in kilograms (y)	20	45	25	35	30

Every concrete block weighs 5 kilograms.

2)

Glasses of Lemonade (x)	4	10	3	6	8
Lemons Used (y)	12	30	9	18	24

For every glass of lemonade there were 3 lemons used.

3)

Boxes of Candy (x)	8	9	6	5	4
Pieces of Candy (y)	120	135	90	75	60

For every box of candy you get 15 pieces.

4)

Enemies Destroyed (x)	10	5	8	3	9
Points Earned (y)	440	220	352	132	396

Every enemy destroyed earns 44 points.

5)

Pieces of Chicken (x)	2	4	3	5	10
Price in dollars (y)	2	4	3	5	10

For each piece of chicken it costs 1 dollars.

6)

Pounds of Beef Jerky (x)	7	10	3	6	5
Price in dollars (y)	112	160	48	96	80

For every pound of beef jerky it cost 16 dollars.

7)

Votes for Rachel (x)	8	2	4	10	3
Votes for John (y)	256	64	128	320	96

For Every vote for Rachel there were 32 votes for John.

8)

Phone Sold (x)	10	2	3	8	5
Money Earned (y)	410	82	123	328	205

Every phone sold earns 41 dollars.

Answers

Ex. $y = 4x$

1. $y = 5x$

2. $y = 3x$

3. $y = 15x$

4. $y = 44x$

5. $y = 1x$

6. $y = 16x$

7. $y = 32x$

8. $y = 41x$