



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

Answers

Ex)

Lawns Mowed (x)	5	2	4	8	10
Dollars Earned (y)	195	78	156	312	390

For every lawn mowed 39 dollars were earned.

Ex. $y = 39x$

1)

Chocolate Bars (x)	4	10	8	7	3
Calories (y)	916	2,290	1,832	1,603	687

Every chocolate bar has ___ calories.

1. _____

2)

Pieces of Chicken (x)	4	9	5	3	2
Price in dollars (y)	8	18	10	6	4

For each piece of chicken it costs _ dollars.

2. _____

3)

Votes for Chloe (x)	10	8	5	7	9
Votes for Jerry (y)	220	176	110	154	198

For Every vote for Chloe there were ___ votes for Jerry.

3. _____

4)

Phone Sold (x)	2	4	3	9	10
Money Earned (y)	48	96	72	216	240

Every phone sold earns ___ dollars.

4. _____

5)

Boxes of Candy (x)	8	2	3	4	10
Pieces of Candy (y)	128	32	48	64	160

For every box of candy you get ___ pieces.

5. _____

6)

Enemies Destroyed (x)	8	7	10	5	9
Points Earned (y)	208	182	260	130	234

Every enemy destroyed earns ___ points.

6. _____

7)

Glasses of Lemonade (x)	8	9	5	7	2
Lemons Used (y)	40	45	25	35	10

For every glass of lemonade there were _ lemons used.

7. _____

8)

Concrete Blocks (x)	6	4	7	10	5
weight in kilograms (y)	36	24	42	60	30

Every concrete block weighs _ kilograms.

8. _____



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Ex)

Lawns Mowed (x)	5	2	4	8	10
Dollars Earned (y)	195	78	156	312	390

For every lawn mowed 39 dollars were earned.

1)

Chocolate Bars (x)	4	10	8	7	3
Calories (y)	916	2,290	1,832	1,603	687

Every chocolate bar has 229 calories.

2)

Pieces of Chicken (x)	4	9	5	3	2
Price in dollars (y)	8	18	10	6	4

For each piece of chicken it costs 2 dollars.

3)

Votes for Chloe (x)	10	8	5	7	9
Votes for Jerry (y)	220	176	110	154	198

For Every vote for Chloe there were 22 votes for Jerry.

4)

Phone Sold (x)	2	4	3	9	10
Money Earned (y)	48	96	72	216	240

Every phone sold earns 24 dollars.

5)

Boxes of Candy (x)	8	2	3	4	10
Pieces of Candy (y)	128	32	48	64	160

For every box of candy you get 16 pieces.

6)

Enemies Destroyed (x)	8	7	10	5	9
Points Earned (y)	208	182	260	130	234

Every enemy destroyed earns 26 points.

7)

Glasses of Lemonade (x)	8	9	5	7	2
Lemons Used (y)	40	45	25	35	10

For every glass of lemonade there were 5 lemons used.

8)

Concrete Blocks (x)	6	4	7	10	5
weight in kilograms (y)	36	24	42	60	30

Every concrete block weighs 6 kilograms.

Answers

Ex. $y = 39x$

1. $y = 229x$

2. $y = 2x$

3. $y = 22x$

4. $y = 24x$

5. $y = 16x$

6. $y = 26x$

7. $y = 5x$

8. $y = 6x$