



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

Answers

Ex)

Phone Sold (x)	9	4	6	5	3
Money Earned (y)	369	164	246	205	123

Every phone sold earns 41 dollars.

Ex. $y = 41x$

1)

Pieces of Chicken (x)	5	9	4	10	8
Price in dollars (y)	5	9	4	10	8

For each piece of chicken it costs dollars.

1. _____

2. _____

2)

Enemies Destroyed (x)	9	5	6	4	7
Points Earned (y)	297	165	198	132	231

Every enemy destroyed earns points.

3. _____

4. _____

3)

Time in minute (x)	2	6	8	10	9
Distance traveled in meters (y)	34	102	136	170	153

Every minute meters are travelled.

5. _____

6. _____

7. _____

4)

Tickets Sold (x)	8	3	6	2	10
Money Earned (y)	112	42	84	28	140

Every ticket sold dollars are earned.

8. _____

5)

Votes for Bianca (x)	9	10	4	5	3
Votes for Luke (y)	198	220	88	110	66

For Every vote for Bianca there were votes for Luke.

6)

Glasses of Lemonade (x)	4	10	9	3	6
Lemons Used (y)	12	30	27	9	18

For every glass of lemonade there were lemons used.

7)

Chocolate Bars (x)	7	4	5	3	10
Calories (y)	1,869	1,068	1,335	801	2,670

Every chocolate bar has calories.

8)

Boxes of Candy (x)	8	3	2	6	10
Pieces of Candy (y)	120	45	30	90	150

For every box of candy you get pieces.



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Ex)

Phone Sold (x)	9	4	6	5	3
Money Earned (y)	369	164	246	205	123

Every phone sold earns 41 dollars.

1)

Pieces of Chicken (x)	5	9	4	10	8
Price in dollars (y)	5	9	4	10	8

For each piece of chicken it costs 1 dollars.

2)

Enemies Destroyed (x)	9	5	6	4	7
Points Earned (y)	297	165	198	132	231

Every enemy destroyed earns 33 points.

3)

Time in minute (x)	2	6	8	10	9
Distance traveled in meters (y)	34	102	136	170	153

Every minute 17 meters are travelled.

4)

Tickets Sold (x)	8	3	6	2	10
Money Earned (y)	112	42	84	28	140

Every ticket sold 14 dollars are earned.

5)

Votes for Bianca (x)	9	10	4	5	3
Votes for Luke (y)	198	220	88	110	66

For Every vote for Bianca there were 22 votes for Luke.

6)

Glasses of Lemonade (x)	4	10	9	3	6
Lemons Used (y)	12	30	27	9	18

For every glass of lemonade there were 3 lemons used.

7)

Chocolate Bars (x)	7	4	5	3	10
Calories (y)	1,869	1,068	1,335	801	2,670

Every chocolate bar has 267 calories.

8)

Boxes of Candy (x)	8	3	2	6	10
Pieces of Candy (y)	120	45	30	90	150

For every box of candy you get 15 pieces.

Answers

Ex. $y = 41x$

1. $y = 1x$

2. $y = 33x$

3. $y = 17x$

4. $y = 14x$

5. $y = 22x$

6. $y = 3x$

7. $y = 267x$

8. $y = 15x$