



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

Answers

Ex)

Tickets Sold (x)	8	6	3	5	9
Money Earned (y)	104	78	39	65	117

Every ticket sold 13 dollars are earned.

Ex. $y = 13x$

1)

Time in minute (x)	7	5	8	9	2
Gallons of Water Used (y)	252	180	288	324	72

Every minute _____ gallons of water are used.

1. _____

2. _____

3. _____

2)

Boxes of Candy (x)	6	2	7	9	8
Pieces of Candy (y)	90	30	105	135	120

For every box of candy you get _____ pieces.

4. _____

5. _____

6. _____

3)

Enemies Destroyed (x)	9	2	7	3	4
Points Earned (y)	216	48	168	72	96

Every enemy destroyed earns _____ points.

7. _____

8. _____

4)

Pounds of Beef Jerky (x)	7	5	2	3	4
Price in dollars (y)	105	75	30	45	60

For every pound of beef jerky it cost _____ dollars.

5)

Chocolate Bars (x)	6	3	7	8	9
Calories (y)	2,124	1,062	2,478	2,832	3,186

Every chocolate bar has _____ calories.

6)

Phone Sold (x)	2	5	6	9	4
Money Earned (y)	94	235	282	423	188

Every phone sold earns _____ dollars.

7)

Pieces of Chicken (x)	8	7	5	4	2
Price in dollars (y)	16	14	10	8	4

For each piece of chicken it costs _____ dollars.

8)

Cans of Paint (x)	10	8	7	6	4
Bird Houses Painted (y)	30	24	21	18	12

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

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

Ex)

Tickets Sold (x)	8	6	3	5	9
Money Earned (y)	104	78	39	65	117

Every ticket sold 13 dollars are earned.

Ex. $y = 13x$

1)

Time in minute (x)	7	5	8	9	2
Gallons of Water Used (y)	252	180	288	324	72

Every minute 36 gallons of water are used.

1. $y = 36x$

2)

Boxes of Candy (x)	6	2	7	9	8
Pieces of Candy (y)	90	30	105	135	120

For every box of candy you get 15 pieces.

2. $y = 15x$

3. $y = 24x$

3)

Enemies Destroyed (x)	9	2	7	3	4
Points Earned (y)	216	48	168	72	96

Every enemy destroyed earns 24 points.

4. $y = 15x$

5. $y = 354x$

6. $y = 47x$

4)

Pounds of Beef Jerky (x)	7	5	2	3	4
Price in dollars (y)	105	75	30	45	60

For every pound of beef jerky it cost 15 dollars.

7. $y = 2x$

8. $y = 3x$

5)

Chocolate Bars (x)	6	3	7	8	9
Calories (y)	2,124	1,062	2,478	2,832	3,186

Every chocolate bar has 354 calories.

6)

Phone Sold (x)	2	5	6	9	4
Money Earned (y)	94	235	282	423	188

Every phone sold earns 47 dollars.

7)

Pieces of Chicken (x)	8	7	5	4	2
Price in dollars (y)	16	14	10	8	4

For each piece of chicken it costs 2 dollars.

8)

Cans of Paint (x)	10	8	7	6	4
Bird Houses Painted (y)	30	24	21	18	12

For every can of paint you could paint 3 bird houses.