



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

**Answers**

Ex)

Boxes of Candy (x)	5	9	2	4	8
Pieces of Candy (y)	80	144	32	64	128

For every box of candy you get 16 pieces.

Ex.  $y = 16x$

1)

Enemies Destroyed (x)	8	3	7	9	2
Points Earned (y)	344	129	301	387	86

Every enemy destroyed earns      points.

1. \_\_\_\_\_

2)

Pounds of Beef Jerky (x)	4	5	3	9	7
Price in dollars (y)	40	50	30	90	70

For every pound of beef jerky it cost      dollars.

2. \_\_\_\_\_

3)

Pieces of Chicken (x)	8	2	9	10	7
Price in dollars (y)	8	2	9	10	7

For each piece of chicken it costs      dollars.

3. \_\_\_\_\_

4)

Glasses of Lemonade (x)	3	9	7	5	6
Lemons Used (y)	15	45	35	25	30

For every glass of lemonade there were      lemons used.

4. \_\_\_\_\_

5)

Phone Sold (x)	7	5	10	8	9
Money Earned (y)	147	105	210	168	189

Every phone sold earns      dollars.

5. \_\_\_\_\_

6)

Time in minute (x)	3	9	2	5	8
Gallons of Water Used (y)	84	252	56	140	224

Every minute      gallons of water are used.

6. \_\_\_\_\_

7)

Chocolate Bars (x)	10	8	5	4	2
Calories (y)	2,750	2,200	1,375	1,100	550

Every chocolate bar has      calories.

7. \_\_\_\_\_

8)

Votes for Nancy (x)	5	10	7	2	6
Votes for Adam (y)	205	410	287	82	246

For Every vote for Nancy there were      votes for Adam.

8. \_\_\_\_\_



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Ex)

Boxes of Candy (x)	5	9	2	4	8
Pieces of Candy (y)	80	144	32	64	128

For every box of candy you get 16 pieces.

1)

Enemies Destroyed (x)	8	3	7	9	2
Points Earned (y)	344	129	301	387	86

Every enemy destroyed earns 43 points.

2)

Pounds of Beef Jerky (x)	4	5	3	9	7
Price in dollars (y)	40	50	30	90	70

For every pound of beef jerky it cost 10 dollars.

3)

Pieces of Chicken (x)	8	2	9	10	7
Price in dollars (y)	8	2	9	10	7

For each piece of chicken it costs 1 dollars.

4)

Glasses of Lemonade (x)	3	9	7	5	6
Lemons Used (y)	15	45	35	25	30

For every glass of lemonade there were 5 lemons used.

5)

Phone Sold (x)	7	5	10	8	9
Money Earned (y)	147	105	210	168	189

Every phone sold earns 21 dollars.

6)

Time in minute (x)	3	9	2	5	8
Gallons of Water Used (y)	84	252	56	140	224

Every minute 28 gallons of water are used.

7)

Chocolate Bars (x)	10	8	5	4	2
Calories (y)	2,750	2,200	1,375	1,100	550

Every chocolate bar has 275 calories.

8)

Votes for Nancy (x)	5	10	7	2	6
Votes for Adam (y)	205	410	287	82	246

For Every vote for Nancy there were 41 votes for Adam.

**Answers**

Ex.  $y = 16x$

1.  $y = 43x$

2.  $y = 10x$

3.  $y = 1x$

4.  $y = 5x$

5.  $y = 21x$

6.  $y = 28x$

7.  $y = 275x$

8.  $y = 41x$