



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

**Answers**

Ex) 

Chocolate Bars (x)	10	7	9	8	5
Calories (y)	2,820	1,974	2,538	2,256	1,410

Every chocolate bar has 282 calories.

Ex.  $y = 282x$

1) 

Glasses of Lemonade (x)	2	5	3	6	4
Lemons Used (y)	8	20	12	24	16

For every glass of lemonade there were    lemons used.

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

2) 

Pieces of Chicken (x)	8	4	7	3	2
Price in dollars (y)	16	8	14	6	4

For each piece of chicken it costs    dollars.

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

3) 

Tickets Sold (x)	4	5	6	2	10
Money Earned (y)	48	60	72	24	120

Every ticket sold    dollars are earned.

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

4) 

Votes for Vanessa (x)	6	4	8	7	10
Votes for Edward (y)	96	64	128	112	160

For Every vote for Vanessa there were    votes for Edward.

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

5) 

Concrete Blocks (x)	2	7	6	5	9
weight in kilograms (y)	10	35	30	25	45

Every concrete block weighs    kilograms.

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

6) 

Cans of Paint (x)	3	4	9	2	8
Bird Houses Painted (y)	12	16	36	8	32

For every can of paint you could paint    bird houses.

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

7) 

Phone Sold (x)	7	4	8	10	2
Money Earned (y)	140	80	160	200	40

Every phone sold earns    dollars.

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

8) 

Time in minute (x)	10	9	6	2	5
Distance traveled in meters (y)	280	252	168	56	140

Every minute    meters are travelled.

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



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

Ex)

Chocolate Bars (x)	10	7	9	8	5
Calories (y)	2,820	1,974	2,538	2,256	1,410

Every chocolate bar has 282 calories.

1)

Glasses of Lemonade (x)	2	5	3	6	4
Lemons Used (y)	8	20	12	24	16

For every glass of lemonade there were 4 lemons used.

2)

Pieces of Chicken (x)	8	4	7	3	2
Price in dollars (y)	16	8	14	6	4

For each piece of chicken it costs 2 dollars.

3)

Tickets Sold (x)	4	5	6	2	10
Money Earned (y)	48	60	72	24	120

Every ticket sold 12 dollars are earned.

4)

Votes for Vanessa (x)	6	4	8	7	10
Votes for Edward (y)	96	64	128	112	160

For Every vote for Vanessa there were 16 votes for Edward.

5)

Concrete Blocks (x)	2	7	6	5	9
weight in kilograms (y)	10	35	30	25	45

Every concrete block weighs 5 kilograms.

6)

Cans of Paint (x)	3	4	9	2	8
Bird Houses Painted (y)	12	16	36	8	32

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

7)

Phone Sold (x)	7	4	8	10	2
Money Earned (y)	140	80	160	200	40

Every phone sold earns 20 dollars.

8)

Time in minute (x)	10	9	6	2	5
Distance traveled in meters (y)	280	252	168	56	140

Every minute 28 meters are travelled.

Answers

Ex.  $y = 282x$

1.  $y = 4x$

2.  $y = 2x$

3.  $y = 12x$

4.  $y = 16x$

5.  $y = 5x$

6.  $y = 4x$

7.  $y = 20x$

8.  $y = 28x$