



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

**Answers**

Ex)

<b>Chocolate Bars (x)</b>	8	3	7	6	10
<b>Calories (y)</b>	2,008	753	1,757	1,506	2,510

Every chocolate bar has 251 calories.

Ex.  $y = 251x$

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

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

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

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

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

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

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

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

1)

<b>Pieces of Chicken (x)</b>	7	6	10	4	8
<b>Price in dollars (y)</b>	14	12	20	8	16

For each piece of chicken it costs \_\_\_\_\_ dollars.

2)

<b>Boxes of Candy (x)</b>	10	8	3	5	4
<b>Pieces of Candy (y)</b>	170	136	51	85	68

For every box of candy you get \_\_\_\_\_ pieces.

3)

<b>Tickets Sold (x)</b>	8	2	9	5	4
<b>Money Earned (y)</b>	104	26	117	65	52

Every ticket sold \_\_\_\_\_ dollars are earned.

4)

<b>Time in minute (x)</b>	4	6	7	8	3
<b>Distance traveled in meters (y)</b>	76	114	133	152	57

Every minute \_\_\_\_\_ meters are travelled.

5)

<b>Pounds of Beef Jerky (x)</b>	6	2	3	9	8
<b>Price in dollars (y)</b>	84	28	42	126	112

For every pound of beef jerky it cost \_\_\_\_\_ dollars.

6)

<b>Time in minute (x)</b>	9	6	8	4	2
<b>Gallons of Water Used (y)</b>	225	150	200	100	50

Every minute \_\_\_\_\_ gallons of water are used.

7)

<b>Concrete Blocks (x)</b>	7	2	3	8	4
<b>weight in kilograms (y)</b>	42	12	18	48	24

Every concrete block weighs \_\_\_\_\_ kilograms.

8)

<b>Votes for Emily (x)</b>	3	6	5	8	7
<b>Votes for Cody (y)</b>	132	264	220	352	308

For Every vote for Emily there were \_\_\_\_\_ votes for Cody.



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Ex)

<b>Chocolate Bars (x)</b>	8	3	7	6	10
<b>Calories (y)</b>	2,008	753	1,757	1,506	2,510

Every chocolate bar has 251 calories.

Ex.  $y = 251x$

1)

<b>Pieces of Chicken (x)</b>	7	6	10	4	8
<b>Price in dollars (y)</b>	14	12	20	8	16

For each piece of chicken it costs 2 dollars.

1.  $y = 2x$

2)

<b>Boxes of Candy (x)</b>	10	8	3	5	4
<b>Pieces of Candy (y)</b>	170	136	51	85	68

For every box of candy you get 17 pieces.

2.  $y = 17x$

3)

<b>Tickets Sold (x)</b>	8	2	9	5	4
<b>Money Earned (y)</b>	104	26	117	65	52

Every ticket sold 13 dollars are earned.

3.  $y = 13x$

4)

<b>Time in minute (x)</b>	4	6	7	8	3
<b>Distance traveled in meters (y)</b>	76	114	133	152	57

Every minute 19 meters are travelled.

4.  $y = 19x$

5)

<b>Pounds of Beef Jerky (x)</b>	6	2	3	9	8
<b>Price in dollars (y)</b>	84	28	42	126	112

For every pound of beef jerky it cost 14 dollars.

5.  $y = 14x$

6)

<b>Time in minute (x)</b>	9	6	8	4	2
<b>Gallons of Water Used (y)</b>	225	150	200	100	50

Every minute 25 gallons of water are used.

6.  $y = 25x$

7)

<b>Concrete Blocks (x)</b>	7	2	3	8	4
<b>weight in kilograms (y)</b>	42	12	18	48	24

Every concrete block weighs 6 kilograms.

7.  $y = 6x$

8)

<b>Votes for Emily (x)</b>	3	6	5	8	7
<b>Votes for Cody (y)</b>	132	264	220	352	308

For Every vote for Emily there were 44 votes for Cody.

8.  $y = 44x$