

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

Ex)

Time in minute (x)	8	10	3	5	7
Distance traveled in meters (y)	224	280	84	140	196

Every minute 28 meters are travelled.Ex.  $y = 28x$ 

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

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

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

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

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

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

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

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

1)

Lawns Mowed (x)	10	6	7	2	4
Dollars Earned (y)	450	270	315	90	180

For every lawn mowed \_\_\_\_\_ dollars were earned.

2)

Concrete Blocks (x)	10	5	8	2	9
weight in kilograms (y)	80	40	64	16	72

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

3)

Cans of Paint (x)	6	3	4	9	2
Bird Houses Painted (y)	18	9	12	27	6

For every can of paint you could paint \_\_\_\_\_ bird houses.

4)

Time in minute (x)	4	10	9	8	3
Gallons of Water Used (y)	144	360	324	288	108

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

5)

Pounds of Beef Jerky (x)	5	6	3	7	4
Price in dollars (y)	80	96	48	112	64

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

6)

Tickets Sold (x)	3	5	9	8	2
Money Earned (y)	45	75	135	120	30

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

7)

Glasses of Lemonade (x)	5	7	4	9	8
Lemons Used (y)	25	35	20	45	40

For every glass of lemonade there were \_\_\_\_\_ lemons used.

8)

Chocolate Bars (x)	6	9	4	2	5
Calories (y)	1,572	2,358	1,048	524	1,310

Every chocolate bar has \_\_\_\_\_ calories.

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Ex)

<b>Time in minute (x)</b>	8	10	3	5	7
<b>Distance traveled in meters (y)</b>	224	280	84	140	196

Every minute 28 meters are travelled.

Ex.  $y = 28x$

1)

<b>Lawns Mowed (x)</b>	10	6	7	2	4
<b>Dollars Earned (y)</b>	450	270	315	90	180

For every lawn mowed 45 dollars were earned.

1.  $y = 45x$

2)

<b>Concrete Blocks (x)</b>	10	5	8	2	9
<b>weight in kilograms (y)</b>	80	40	64	16	72

Every concrete block weighs 8 kilograms.

2.  $y = 8x$

3)

<b>Cans of Paint (x)</b>	6	3	4	9	2
<b>Bird Houses Painted (y)</b>	18	9	12	27	6

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

3.  $y = 3x$

4)

<b>Time in minute (x)</b>	4	10	9	8	3
<b>Gallons of Water Used (y)</b>	144	360	324	288	108

Every minute 36 gallons of water are used.

4.  $y = 36x$

5)

<b>Pounds of Beef Jerky (x)</b>	5	6	3	7	4
<b>Price in dollars (y)</b>	80	96	48	112	64

For every pound of beef jerky it cost 16 dollars.

5.  $y = 16x$

6)

<b>Tickets Sold (x)</b>	3	5	9	8	2
<b>Money Earned (y)</b>	45	75	135	120	30

Every ticket sold 15 dollars are earned.

6.  $y = 15x$

7)

<b>Glasses of Lemonade (x)</b>	5	7	4	9	8
<b>Lemons Used (y)</b>	25	35	20	45	40

For every glass of lemonade there were 5 lemons used.

7.  $y = 5x$

8)

<b>Chocolate Bars (x)</b>	6	9	4	2	5
<b>Calories (y)</b>	1,572	2,358	1,048	524	1,310

Every chocolate bar has 262 calories.

8.  $y = 262x$