



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

**Answers**

Ex)

<b>Time in minute (x)</b>	5	7	3	6	10
<b>Gallons of Water Used (y)</b>	130	182	78	156	260

Every minute 26 gallons of water are used.

Ex.  $y = 26x$

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

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

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

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

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

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

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

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

1)

<b>Time in minute (x)</b>	4	8	5	3	2
<b>Distance traveled in meters (y)</b>	52	104	65	39	26

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

2)

<b>Enemies Destroyed (x)</b>	3	2	6	9	10
<b>Points Earned (y)</b>	135	90	270	405	450

Every enemy destroyed earns \_\_\_\_\_ points.

3)

<b>Chocolate Bars (x)</b>	10	6	2	9	8
<b>Calories (y)</b>	3,580	2,148	716	3,222	2,864

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

4)

<b>Lawns Mowed (x)</b>	10	9	3	8	5
<b>Dollars Earned (y)</b>	350	315	105	280	175

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

5)

<b>Pieces of Chicken (x)</b>	7	6	8	5	10
<b>Price in dollars (y)</b>	14	12	16	10	20

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

6)

<b>Concrete Blocks (x)</b>	4	3	6	9	7
<b>weight in kilograms (y)</b>	36	27	54	81	63

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

7)

<b>Votes for Maria (x)</b>	9	3	7	10	8
<b>Votes for Roger (y)</b>	261	87	203	290	232

For Every vote for Maria there were \_\_\_\_\_ votes for Roger.

8)

<b>Phone Sold (x)</b>	4	8	6	7	10
<b>Money Earned (y)</b>	92	184	138	161	230

Every phone sold earns \_\_\_\_\_ dollars.



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Ex) 

<b>Time in minute (x)</b>	5	7	3	6	10
<b>Gallons of Water Used (y)</b>	130	182	78	156	260

Every minute 26 gallons of water are used.

1) 

<b>Time in minute (x)</b>	4	8	5	3	2
<b>Distance traveled in meters (y)</b>	52	104	65	39	26

Every minute 13 meters are travelled.

2) 

<b>Enemies Destroyed (x)</b>	3	2	6	9	10
<b>Points Earned (y)</b>	135	90	270	405	450

Every enemy destroyed earns 45 points.

3) 

<b>Chocolate Bars (x)</b>	10	6	2	9	8
<b>Calories (y)</b>	3,580	2,148	716	3,222	2,864

Every chocolate bar has 358 calories.

4) 

<b>Lawns Mowed (x)</b>	10	9	3	8	5
<b>Dollars Earned (y)</b>	350	315	105	280	175

For every lawn mowed 35 dollars were earned.

5) 

<b>Pieces of Chicken (x)</b>	7	6	8	5	10
<b>Price in dollars (y)</b>	14	12	16	10	20

For each piece of chicken it costs 2 dollars.

6) 

<b>Concrete Blocks (x)</b>	4	3	6	9	7
<b>weight in kilograms (y)</b>	36	27	54	81	63

Every concrete block weighs 9 kilograms.

7) 

<b>Votes for Maria (x)</b>	9	3	7	10	8
<b>Votes for Roger (y)</b>	261	87	203	290	232

For Every vote for Maria there were 29 votes for Roger.

8) 

<b>Phone Sold (x)</b>	4	8	6	7	10
<b>Money Earned (y)</b>	92	184	138	161	230

Every phone sold earns 23 dollars.

Answers

Ex.  $y = 26x$

1.  $y = 13x$

2.  $y = 45x$

3.  $y = 358x$

4.  $y = 35x$

5.  $y = 2x$

6.  $y = 9x$

7.  $y = 29x$

8.  $y = 23x$